

1 Seth W. Wiener (SBN 203747)
seth@sethwienerlaw.com
2 LAW OFFICES OF SETH WIENER
9107 Wilshire Blvd., Suite 450
3 Beverly Hills, CA 90210
Telephone: (925) 487-5607

4 Jeffrey Francis Craft (SBN 147186)
5 jcraft@devlinlawfirm.com
DEVLIN LAW FIRM LLC
6 1731 Fox Springs Circle,
Newbury Park, CA 91320

7 Timothy Devlin (*pro hac vice* to be filed)
8 tdevlin@devlinlawfirm.com
Robert Kiddie (*pro hac vice* to be filed)
9 rkiddie@devlinlawfirm.com
DEVLIN LAW FIRM LLC
10 1526 Gilpin Avenue
Wilmington, DE 19806
11 Telephone: (302) 449-9010
Facsimile: (302) 353-4251

12 Attorneys for Express Mobile, Inc.

13
14 UNITED STATES DISTRICT COURT
15 CENTRAL DISTRICT OF CALIFORNIA
16 WESTERN DIVISION
17

18 EXPRESS MOBILE, INC.,

19 Plaintiff,

20 vs.

21 NETLANCERS INC. d/b/a INDIANIC

22 Defendant.
23
24
25

) Case No.: 2:19-cv-5102

) **COMPLAINT FOR PATENT
INFRINGEMENT**

) DEMAND FOR JURY TRIAL

1 Plaintiff Express Mobile, Inc. (“Express Mobile” or “Plaintiff”), for its
2 Complaint against Defendant Netlancers Inc. d/b/a IndiaNIC, (“IndiaNIC” or
3 “Defendant”) alleges the following:

4 **NATURE OF THE ACTION**

5 1. This is an action for patent infringement arising under the Patent Laws of
6 the United States, 35 U.S.C. § 1 *et seq.*

7 **THE PARTIES**

8 2. Plaintiff is a corporation organized under the laws of the State of
9 Delaware with a place of business at 3415 Custer Rd. Suite 104, Plano, TX 75023.

10 3. Upon information and belief, IndiaNIC is a corporation organized and
11 existing under the laws of California, with a place of business at 499 N. Canon Dr.,
12 Suite 215, Beverly Hills, CA 90210 and can be served through its registered agent,
13 Legalzoom.com, Inc., 101 N. Brand Blvd., 11th Fl., Glendale, CA 91203.

14 4. Upon information and belief, IndiaNIC sells and offers to sell products
15 and services throughout the United States, including in this judicial district, and
16 introduces products and services into the stream of commerce and that incorporate
17 infringing technology knowing that they would be sold in this judicial district and
18 elsewhere in the United States.

19 **JURISDICTION AND VENUE**

20 5. This is an action for patent infringement arising under the Patent Laws of
21 the United States, Title 35 of the United States Code.

22 6. This Court has subject matter jurisdiction under 28 U.S.C. §§ 1331 and
23 1338(a).

24 7. Venue is proper in this judicial district under 28 U.S.C. §1400(b). On
25 information and belief, Defendant is incorporated in the State of California, has
26 committed acts of infringement in this District, and has a regular and established place
27 of business within this District.
28

1 8. On information and belief, Defendant is subject to this Court’s general
2 and specific personal jurisdiction because Defendant has sufficient minimum contacts
3 within the State of California and this District, pursuant to due process and/or the
4 California Long Arm Statute because Defendant purposefully availed itself of the
5 privileges of conducting business in the State of California and in this District,
6 because Defendant regularly conducts and solicits business within the State of
7 California and within this District, and because Plaintiff’s causes of action arise
8 directly from each of Defendant’s business contacts and other activities in the State of
9 California and this District.

10 **COUNT I – INFRINGEMENT OF U.S. Patent No. 6,546,397**

11 9. The allegations set forth in the foregoing paragraphs 1 through 8 are
12 incorporated into this First Claim for Relief.

13 10. On April 8, 2003, U.S. Patent No. 6,546,397 (“the ’397 patent”), entitled
14 “*Browser Based Web Site Generation Tool and Run Time Engine*,” was duly and
15 legally issued by the United States Patent and Trademark Office. A true and correct
16 copy of the ’397 patent is attached as Exhibit A.

17 11. The inventions of the ’397 patent resolve technical problems related to
18 website creation and generation. For example, the inventions enable the creation of
19 websites through browser-based visual editing tools such as selectable settings panels
20 which describe website elements, with one or more settings corresponding to
21 commands, which features are exclusively implemented utilizing computer
22 technology including a virtual machine.

23 12. The claims of the ’397 patent do not merely recite the performance of
24 some business practice known from the pre-Internet world along with the requirement
25 to perform it on the Internet. Instead, the claims of the ’397 patent recite one or more
26 inventive concepts that are rooted in computerized website creation technology, and
27 overcome problems specifically arising in the realm of computerized website creation
28 technologies.

1 13. The claims of the '397 patent recite an invention that is not merely the
2 routine or conventional use of website creation systems and methods. Instead, the
3 invention describes a browser-based website creation system and method in which the
4 user-selected settings representing website elements are stored in a database, and in
5 which said stored information is retrieved to generate said website.

6 14. The technology claimed in the '397 patent does not preempt all ways of
7 using website or web page authoring tools nor preempt the use of all website or web
8 page authoring tools, nor preempt any other well-known or prior art technology.

9 15. Accordingly, each claim of the '397 patent recites a combination of
10 elements sufficient to ensure that the claim in practice amounts to significantly more
11 than a patent on an ineligible concept.

12 16. In C.A. 2:17-00128, a case filed in the Eastern District of Texas, the
13 defendant in that action, KTree Computer Solutions brought a Motion for Judgment
14 on the Pleadings asserting that the '397 patent, along with U.S. Patent No. 7,594,168
15 (asserted in Count II below) were invalid as claiming abstract subject matter under 35
16 U.S.C. § 101. (C.A. 2:17-00128 Dkt. 9.) Subsequent briefing included Plaintiff's
17 Response and related Declarations and Exhibits (C.A. 2:17-00128 Dkt. 17, 22-24),
18 KTree's Reply (C.A. 2:17-00128 Dkt. 25), and Plaintiff's Sur-Reply and related
19 Declarations and Exhibits (C.A. 2:17-00128 Dkt. 26-27). Each of those filings is
20 incorporated by reference into this Complaint.

21 17. After a consideration of the respective pleadings, Magistrate Judge Payne
22 recommended denial of KTree's motion, without prejudice, holding that "the claims
23 appear to address a problem particular to the internet: dynamically generating
24 websites and displaying web pages based on stored user-selected settings" and further
25 stating "the asserted claims do not bear all of the hallmarks of claims that have been
26 invalidated on the pleadings by other courts in the past. For example, the claims are
27 not merely do-it-on-a-computer claims." (C.A. 2:17-00128 Dkt. 29 attached hereto as
28 Exhibit B.) Judge Payne's report and recommendation is incorporated by reference

1 into this Complaint. No objection was filed to the Magistrate Judge’s report and
2 recommendation and the decision therefore became final.

3 18. In C.A. Nos. 3:18-cv-04679 and 3:18-04688, both of which were filed in
4 the Northern District of California, the respective defendant in each of those actions
5 brought a Motion to Dismiss asserting that the ’397 patent, along with U.S. Patent No.
6 7,594,168 (asserted in Count II below) were invalid as claiming abstract subject
7 matter under 35 U.S.C. § 101. The § 101 briefing in each of those cases is
8 incorporated by reference into this Complaint.

9 19. After consideration of the respective pleadings and oral argument, Judge
10 Richard Seeborg issued orders denying each respective motion to dismiss drawing a
11 comparison between the asserted Express Mobile patents with those patents asserted
12 in *Enfish, LLC v. Microsoft Corp.*, 822 F.3d 1327 (Fed. Cir. 2016). (C.A. 3:18 -04679
13 Dkt. 45, attached hereto as Exhibit C, and C.A. 3:18-04688 Dkt. 40, attached hereto as
14 Exhibit D.)

15 20. Plaintiff is the assignee and owner of the right, title and interest in and to
16 the ’397 patent, including the right to assert all causes of action arising under said
17 patents and the right to any remedies for infringement of them.

18 21. Upon information and belief, Defendant has and continues to directly
19 infringe at least claims 1-6, 8-11, 14-15, 17, 20, 24-25, 35, and 37 of the ’397 patent
20 by using a browser-based website and/or web page authoring tool in which the user-
21 selected settings representing website elements are stored in a database, and in which
22 said stored information is retrieved to generate said website (the “Accused
23 Instrumentalities”). The Accused Instrumentalities include but are not limited to the
24 website building tools used and/or provided by Defendant, such as, for example
25 Drupal, Joomla, Magento and/or Wordpress. *See, e.g.*,
26 <http://www.netlancers.com/portfolio/hanlemellon>;
27 <http://www.netlancers.com/portfolio/mega-homes-and-urban-housing-website>;

28

1 <http://www.netlancers.com/portfolio/espressopros-magento-store>; and

2 <http://www.netlancers.com/portfolio/golden-key->.

3 22. On information and belief, Defendant is a for-profit organization with
4 revenues of approximately \$150 million U.S.D. per year. Moreover, Defendant, its
5 employees and/or agents utilize the Accused Instrumentalities in the building and/or
6 hosting of websites for Defendant's customers, leading to direct or indirect revenues
7 and profit. As one example of indirect profit, entities such as Defendant will
8 frequently offer website building and/or hosting services at reduced pricing as an
9 inducement to attract customers, who then purchase additional products or services.
10 On information and belief, without the availability of infringing tools such as the
11 Accused Instrumentalities, Defendant would be at a disadvantage in the marketplace
12 and would generate less revenue overall.

13 23. In particular, claim 1 of the '397 patent generally recites a method
14 enabling production of websites on and for computers with browsers and virtual
15 machines, by presenting, through a browser, a selectable settings menu describing
16 elements, such setting(s) corresponding to commands to the virtual machine;
17 generating a display in accordance with selected settings; storing information
18 regarding selected settings in a database; generating a website at least in part by
19 retrieving said information; and building web page(s) to generate said website and a
20 run time file, where the run time file uses the stored information to generate virtual
21 machine commands for the display of at least a portion of web page(s).

22 24. The Accused Instrumentalities infringe claim 1 of the '397 patent through
23 a combination of features which collectively practice each limitation of claim 1. By
24 way of example, modern internet browsers such as Microsoft Internet Explorer,
25 Mozilla's Firefox, Apple Safari, Google Chrome, and Opera include virtual machines
26 within the meaning of the '397 patent. (*See, e.g.*,
27 <http://developer.telerik.com/featured/a-guide-to-javascript-engines-for-idiots/>;
28 <http://dictionary.reference.com/browse/virtual+machine?s=t>). The Accused

1 Instrumentalities support the use of the latest versions of Internet Explorer 11 or later,
2 Microsoft Edge, latest-1, Firefox latest, latest-1, Chrome latest, latest-1, Safari latest,
3 latest-1 (Mac OS), Safari Mobile for iPad 2, iPad Mini, iPad with Retina Display (iOS
4 7 or later), for desktop site, Safari Mobile for iPhone 4 or later; iOS 7 or later, for
5 mobile site, Chrome for mobile latest-1 (Android 4 or later) for mobile site, where
6 *latest-1* means one major version earlier than the latest released version. (See, e.g.,
7 <https://www.drupal.org/docs/8/system-requirements/browser->;
8 [http://devdocs.magento.com/guides/v2.0/install-gde/system-](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html)
9 [requirements_browsers.html](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html); <http://themeforest.net/category/wordpress>;
10 https://docs.joomla.org/Joomla_Browser_Support
11 [http://devdocs.magento.com/guides/v2.0/install-gde/system-](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html)
12 [requirements_browsers.html](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html).) All of these browsers rely on browser engines
13 comprising virtual machines to interpret and execute JavaScript and HTML to render
14 web pages on a computer.

15 25. By way of further example, the Accused Instrumentalities enable users to
16 produce websites through browsers on users' computers via interaction with an
17 Internet server. For example, in order to add a new page to a user's website, the user
18 logs in and then a server of the Accused Instrumentalities initiates presentation to the
19 user through a browser of a website-builder tool. From the interface—sometimes
20 referred to as a dashboard—of the Accused Instrumentalities, the user can navigate
21 and add elements and element properties commensurate with a new page. A display is
22 generated in accordance with one or more user selected settings substantially
23 contemporaneously with the selection thereof. This is performed, for example, using
24 a visual editing tool through a browser. The WYSIWYG interface for selecting center
25 alignment of an image can also be accessed, and then the user can select various
26 options such as a font and paragraph styles. After the user selects options such as
27 image/text alignment or font and paragraph styles through the WYSIWYG editor, the
28 display immediately updates to reflect the selected option. Furthermore, when images

1 are uploaded by a user, those images are displayed in approximately 0-2 seconds
2 depending on file size and bandwidth.

3 26. Data is stored in a database, including information corresponding to user
4 selected settings such as, for example, the selections of text color. Other user
5 selections are also stored including, for example, the layout, image filenames,
6 thumbnails, and paragraph margin settings for defining the alignment of an image
7 location. The Accused Instrumentalities build one or more web pages to generate a
8 website from at least a portion of a database and at least one run time file, where at
9 least one run time file utilizes information stored in said database to generate virtual
10 machine commands for the display of at least a portion of said one or more web pages.

11 27. At run time, at least some of these files use information stored in the
12 database to generate the HTML for the final rendered HTML page. This HTML
13 represents virtual machine commands for display of the page because it is read and
14 used by the applicable browser's engine, including a virtual machine, in order to
15 render the page. On information and belief, the Accused Instrumentalities further rely
16 on the browser engine's component JavaScript engine to either display a portion of the
17 page directly, or generate HTML to be executed for display by the main layout engine.

18 28. Additionally, the "PHP code," including the PHP template files, can be
19 viewed in the file directory for the Accused Instrumentalities, and this directory
20 includes various other runtime files (including other PHP files, JavaScript files,
21 PHTML, and/or XML). It follows that a user will view the finalized website
22 developed with said tools in a browser outside of the website authoring environment
23 to verify the website conforms to the intended design. *See, e.g.*,
24 <https://techterms.com/definition/runtime>.

25 29. The presence of the above referenced elements are demonstrated, by way
26 of example, by reference to publicly available information. Regarding Drupal, *see*,
27 *e.g.*, <https://www.drupal.org/home>; [https://www.drupal.org/docs/8/system-](https://www.drupal.org/docs/8/system-requirements/browser-requirements)
28 [requirements/browser-requirements](https://www.drupal.org/project/ckeditor); <https://www.drupal.org/project/ckeditor>;

1 <https://www.drupal.org/docs/8/core/modules/ckeditor/overview>;
2 [https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821)
3 [images/10/03/2016/9821](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821); Angela Byron, *Ultimate Guide to Drupal 8* at 4 (2016);
4 <https://www.drupal.org/docs/7/understanding-drupal/technology-stack>;
5 <https://www.drupal.org/docs/8/system-requirements/web-server>;
6 <https://www.drupal.org/docs/8/core/modules/rest/overview>;
7 <https://www.drupal.org/docs/8/core/modules/serialization/overview>;
8 <https://www.drupal.org/docs/8/understanding-drupal-8/overview>;
9 <https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8>.
10 Regarding Magento, *see, e.g.*, [http://docs.magento.com/m1/ee/user_guide/system-](http://docs.magento.com/m1/ee/user_guide/system-operations/browser-capabilities-detection.html)
11 [operations/browser-capabilities-detection.html](http://docs.magento.com/m1/ee/user_guide/system-operations/browser-capabilities-detection.html);
12 [http://docs.magento.com/m1/ee/user_guide/system-operations/index-](http://docs.magento.com/m1/ee/user_guide/system-operations/index-management.html)
13 [management.html](http://docs.magento.com/m1/ee/user_guide/system-operations/index-management.html); [http://docs.magento.com/m1/ce/user_guide/cms/magento-](http://docs.magento.com/m1/ce/user_guide/cms/magento-cms.html)
14 [cms.html](http://docs.magento.com/m1/ce/user_guide/cms/magento-cms.html); http://docs.magento.com/m1/ce/user_guide/cms/page-create.html;
15 http://docs.magento.com/m1/ce/user_guide/cms/editor.html;
16 http://docs.magento.com/m1/ce/user_guide/cms/links.html;
17 http://docs.magento.com/m1/ce/user_guide/cms/editor-insert-image.html;
18 http://docs.magento.com/m1/ce/user_guide/cms/editor-add-widget.html;
19 http://docs.magento.com/m1/ce/user_guide/design/page-layout.html;
20 http://docs.magento.com/m1/ce/user_guide/design/layout-updates.html;
21 http://docs.magento.com/m1/ee/user_guide/store-operations/stores-multiple.html;
22 http://docs.magento.com/m1/ee/user_guide/store-operations/store-hierarchy.html;
23 [http://docs.magento.com/m1/ee/user_guide/system-operations/index-](http://docs.magento.com/m1/ee/user_guide/system-operations/index-management.html)
24 [management.html](http://docs.magento.com/m1/ee/user_guide/system-operations/index-management.html). Regarding Wordpress, *see, e.g.*,
25 <http://themeforest.net/category/wordpress>; <http://codex.wordpress.org/Templates>;
26 http://codex.wordpress.org/Template_Hierarchy;
27 http://codex.wordpress.org/Function_Reference/the_title;
28 http://codex.wordpress.org/Function_Reference/the_content;

1 <https://www.wpbeginner.com/glossary/database/>; <https://codex.wordpress.org/Pages>;
2 <http://codex.wordpress.org/Templates>;
3 http://codex.wordpress.org/Template_Tags/get_the_title; and
4 http://codex.wordpress.org/Query_Overview. Regarding Joomla, *see, e.g.*,
5 https://docs.joomla.org/Joomla_Browser_Support;
6 [https://www.joomlart.com/documentation/other/joomla-3-and-joomla-2-5-system-](https://www.joomlart.com/documentation/other/joomla-3-and-joomla-2-5-system-requirement)
7 [requirement; https://showcase.joomla.org/](https://showcase.joomla.org/);
8 https://docs.joomla.org/Editor_form_field_type; [https://developer.joomla.org/coding-](https://developer.joomla.org/coding-standards/html.html)
9 [standards/html.html; https://developer.joomla.org/coding-standards/css.html](https://developer.joomla.org/coding-standards/css.html);
10 <https://developer.joomla.org/coding-standards/javascript.html>;
11 https://docs.joomla.org/Generating_JSON_output; [https://api.joomla.org/cms-](https://api.joomla.org/cms-3/classes/Joomla.CMS.Input.Json.html)
12 [3/classes/Joomla.CMS.Input.Json.html](https://api.joomla.org/cms-3/classes/Joomla.CMS.Input.Json.html);
13 https://docs.joomla.org/How_do_you_assign_a_module_to_specific_pages%3F;
14 https://docs.joomla.org/Where_are_the_web_pages%3F.

15 30. Claim 2 of the '397 patent generally recites an apparatus for producing
16 websites on and for computers having a browser and a virtual machine, said apparatus
17 comprising an interface to present a settings menu which describes elements, said
18 panel presented through a browser, where the selectable setting(s) corresponds to
19 commands to the virtual machine; a browser to generate a display in accordance with
20 selected setting(s); a database for storing information regarding selected settings; and
21 a build tool having run time file(s) for generating web page(s) and using stored
22 information to generate commands to the virtual machine for generating at least a
23 portion of web page(s).

24 31. The Accused Instrumentalities infringe claim 2 of the '397 patent through
25 a combination of features which collectively practice each limitation of claim 2. By
26 way of example, modern internet browsers such as Microsoft Internet Explorer,
27 Mozilla's Firefox, Apple Safari, Google Chrome, and Opera include virtual machines
28 within the meaning of the '397 patent. (*See, e.g.*,

1 <http://developer.telerik.com/featured/a-guide-to-javascript-engines-for-idiots/>;
2 <http://dictionary.reference.com/browse/virtual+machine?s=t>). The Accused
3 Instrumentalities support the use of the latest versions of Internet Explorer 11 or later,
4 Microsoft Edge, latest-1, Firefox latest, latest-1, Chrome latest, latest-1, Safari latest,
5 latest-1 (Mac OS), Safari Mobile for iPad 2, iPad Mini, iPad with Retina Display (iOS
6 7 or later), for desktop site, Safari Mobile for iPhone 4 or later; iOS 7 or later, for
7 mobile site, Chrome for mobile latest-1 (Android 4 or later) for mobile site, where
8 *latest-1* means one major version earlier than the latest released version. (See, e.g.,
9 <https://www.drupal.org/docs/8/system-requirements/browser-requirements>;
10 [http://devdocs.magento.com/guides/v2.0/install-gde/system-](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html)
11 [requirements_browsers.html](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html); <http://themeforest.net/category/wordpress>;
12 https://docs.joomla.org/Joomla_Browser_Support
13 [http://devdocs.magento.com/guides/v2.0/install-gde/system-](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html)
14 [requirements_browsers.html](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html).) All of these browsers rely on browser engines
15 comprising virtual machines to interpret and execute JavaScript and HTML to render
16 web pages on a computer.

17 32. By way of further example, the Accused Instrumentalities enable users to
18 produce websites through browsers on users' computers via interaction with an
19 Internet server. For example, in order to add a new page to a user's website, the user
20 logs in and then a server of the Accused Instrumentalities initiates presentation to the
21 user through a browser of a website-builder tool. From the interface—sometimes
22 referred to as a dashboard—of the Accused Instrumentalities, the user can navigate
23 and add elements and element properties commensurate with a new page. A display is
24 generated in accordance with one or more user selected settings substantially
25 contemporaneously with the selection thereof. This is performed, for example, using
26 a visual editing tool through a browser. The WYSIWYG interface for selecting center
27 alignment of an image can also be accessed, and then the user can select various
28 options such as a font and paragraph styles. After the user selects options such as

1 image/text alignment or font and paragraph styles through the WYSIWYG editor, the
2 display immediately updates to reflect the selected option. Furthermore, when images
3 are uploaded by a user, those images are displayed in approximately 0-2 seconds
4 depending on file size and bandwidth.

5 33. Data is stored in a database, including information corresponding to user
6 selected settings such as, for example, the selections of text color. Other user
7 selections are also stored including, for example, the layout, image filenames,
8 thumbnails, and paragraph margin settings for defining the alignment of an image
9 location. The Accused Instrumentalities build one or more web pages to generate a
10 website from at least a portion of a database and at least one run time file, where at
11 least one run time file utilizes information stored in said database to generate virtual
12 machine commands for the display of at least a portion of said one or more web pages.

13 34. At run time, at least some of these files use information stored in the
14 database to generate the HTML for the final rendered HTML page. This HTML
15 represents virtual machine commands for display of the page because it is read and
16 used by the applicable browser's engine, including a virtual machine, in order to
17 render the page. On information and belief, the Accused Instrumentalities further rely
18 on the browser engine's component JavaScript engine to either display a portion of the
19 page directly, or generate HTML to be executed for display by the main layout engine.

20 35. Additionally, the "PHP code," including the PHP template files, can be
21 viewed in the file directory for the Accused Instrumentalities, and this directory
22 includes various other runtime files (including other PHP files, JavaScript files,
23 PHTML, and XML). *See, e.g.*, <https://techterms.com/definition/runtime>.

24 36. It follows that a user will view the finalized website developed with said
25 tools in a browser outside of the website authoring environment to verify the website
26 conforms to the intended design.

27 37. The presence of the above referenced elements are demonstrated, by way
28 of example, by reference to publicly available information. Regarding Drupal, *see*,

1 e.g., <https://www.drupal.org/home>; <https://www.drupal.org/docs/8/system-requirements/browser-requirements>; <https://www.drupal.org/project/ckeditor>;
2 <https://www.drupal.org/docs/8/core/modules/ckeditor/overview>;
3 [https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-
4 images/10/03/2016/9821](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821); Angela Byron, *Ultimate Guide to Drupal 8* at 4 (2016);
5 <https://www.drupal.org/docs/7/understanding-drupal/technology-stack>;
6 <https://www.drupal.org/docs/8/system-requirements/web-server>;
7 <https://www.drupal.org/docs/8/core/modules/rest/overview>;
8 <https://www.drupal.org/docs/8/core/modules/serialization/overview>;
9 <https://www.drupal.org/docs/8/understanding-drupal-8/overview>;
10 <https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8>.
11 Regarding Magento, *see, e.g.*, [http://docs.magento.com/m1/ee/user_guide/system-
12 operations/browser-capabilities-detection.html](http://docs.magento.com/m1/ee/user_guide/system-operations/browser-capabilities-detection.html);
13 [http://docs.magento.com/m1/ee/user_guide/system-operations/index-
14 management.html](http://docs.magento.com/m1/ee/user_guide/system-operations/index-management.html); [http://docs.magento.com/m1/ce/user_guide/cms/magento-
15 cms.html](http://docs.magento.com/m1/ce/user_guide/cms/magento-cms.html); http://docs.magento.com/m1/ce/user_guide/cms/page-create.html;
16 http://docs.magento.com/m1/ce/user_guide/cms/editor.html;
17 http://docs.magento.com/m1/ce/user_guide/cms/links.html;
18 http://docs.magento.com/m1/ce/user_guide/cms/editor-insert-image.html;
19 http://docs.magento.com/m1/ce/user_guide/cms/editor-add-widget.html;
20 http://docs.magento.com/m1/ce/user_guide/design/page-layout.html;
21 http://docs.magento.com/m1/ce/user_guide/design/layout-updates.html;
22 http://docs.magento.com/m1/ee/user_guide/store-operations/stores-multiple.html;
23 http://docs.magento.com/m1/ee/user_guide/store-operations/store-hierarchy.html;
24 [http://docs.magento.com/m1/ee/user_guide/system-operations/index-
25 management.html](http://docs.magento.com/m1/ee/user_guide/system-operations/index-management.html). Regarding Wordpress, *see, e.g.*,
26 <http://themeforest.net/category/wordpress>; <http://codex.wordpress.org/Templates>;
27 http://codex.wordpress.org/Template_Hierarchy;
28

1 http://codex.wordpress.org/Function_Reference/the_title;
2 http://codex.wordpress.org/Function_Reference/the_content;
3 <https://www.wpbeginner.com/glossary/database/>; <https://codex.wordpress.org/Pages>;
4 <http://codex.wordpress.org/Templates>;
5 http://codex.wordpress.org/Template_Tags/get_the_title; and
6 http://codex.wordpress.org/Query_Overview. Regarding Joomla, *see, e.g.*,
7 https://docs.joomla.org/Joomla_Browser_Support;
8 [https://www.joomlart.com/documentation/other/joomla-3-and-joomla-2-5-system-](https://www.joomlart.com/documentation/other/joomla-3-and-joomla-2-5-system-requirement)
9 [requirement; https://showcase.joomla.org/](https://showcase.joomla.org/);
10 https://docs.joomla.org/Editor_form_field_type; [https://developer.joomla.org/coding-](https://developer.joomla.org/coding-standards/html.html)
11 [standards/html.html](https://developer.joomla.org/coding-standards/html.html); <https://developer.joomla.org/coding-standards/css.html>;
12 <https://developer.joomla.org/coding-standards/javascript.html>;
13 https://docs.joomla.org/Generating_JSON_output; [https://api.joomla.org/cms-](https://api.joomla.org/cms-3/classes/Joomla.CMS.Input.Json.html)
14 [3/classes/Joomla.CMS.Input.Json.html](https://api.joomla.org/cms-3/classes/Joomla.CMS.Input.Json.html);
15 https://docs.joomla.org/How_do_you_assign_a_module_to_specific_pages%3F;
16 https://docs.joomla.org/Where_are_the_web_pages%3F.

17 38. Claim 3 of the '397 patent recites the apparatus of claim 2, wherein the
18 database is a multi-dimensional array structured database.

19 39. The Accused Instrumentalities infringe claim 3 of the '397 patent
20 through, by way of example, patent through a combination of features which
21 collectively practice each limitation of claim 3.

22 40. By way of example, the JSON strings that are used to generate, in part,
23 field capabilities originate from the database and therefore reflect the database
24 structure and contents showing, on information and belief, the implementation of a
25 multidimensional array structured database. By way of further evidence, the JSON
26 strings show that there are dimensions for various parameters. *See, e.g.*,

27 <https://www.drupal.org/files/issues/Field.png>;
28 <https://api.drupal.org/api/drupal/core%21modules%21field%21field.module/group/fie>

1 ld/8.3.x; <http://devdocs.magento.com/guides/v2.0/get-started/gs-web-api-request.html>;
2 <https://code.tutsplus.com/>;
3 [https://wordpress.stackexchange.com/questions/43302/wordpress-settings-api-and-](https://wordpress.stackexchange.com/questions/43302/wordpress-settings-api-and-option-array-structure)
4 [option-array-structure](https://wordpress.stackexchange.com/questions/43302/wordpress-settings-api-and-option-array-structure).

5 41. Claim 4 of the '397 patent recites the apparatus of claim 3, wherein the
6 representative information is Boolean data, numeric data, string data or multi-
7 dimensional arrays of various multimedia objects.

8 42. The Accused Instrumentalities infringe claim 4 of the '397 patent through
9 a combination of features that practice the limitations of Claim 4. *See, e.g.*,
10 [https://www.drupal.org/docs/8/api/entity-api/defining-and-using-content-entity-field-](https://www.drupal.org/docs/8/api/entity-api/defining-and-using-content-entity-field-definitions)
11 [definitions](https://www.drupal.org/docs/8/api/entity-api/defining-and-using-content-entity-field-definitions);
12 <http://devdocs.magento.com/guides/m1x/api/rest/Resources/Products/products.html>;
13 [https://wordpress.stackexchange.com/questions/43302/wordpress-settings-api-and-](https://wordpress.stackexchange.com/questions/43302/wordpress-settings-api-and-option-array-structure)
14 [option-array-structure](https://wordpress.stackexchange.com/questions/43302/wordpress-settings-api-and-option-array-structure).

15 43. Claim 5 of the '397 patent recites the apparatus of claim 4, wherein said
16 elements include multimedia objects selected from the group consisting of a color, a
17 font, an image, an audio clip, a video clip, a text area and a URL.

18 44. The Accused Instrumentalities infringe claim 5 of the '397 patent through
19 a combination of features that practice the limitations of Claim 5.

20 45. By way of example, the Accused Instrumentalities include various
21 multimedia objects selected from a group contained within a WYSIWYG Editor.
22 Examples include color, font, an image, a video, a text area and a URL as they appear
23 in the WYSIWYG Editor. The multimedia objects created in the WYSIWYG editor
24 are stored in the database and appear as HTML scripted text in the database. Text and
25 vector objects can be selected and colored by selecting them or “click and dragging”
26 over them in the WYSIWYG editor. A color may also be selected from the color
27 dropdowns on the control bar of the Editor. This color is saved to the database; as part
28 of the HTML of the description record. Moreover, text objects may be assigned a font

1 by making such a selection or “click and dragging” over them in the WYSIWYG
2 editor. A font can then be selected from the font dropdown on the control bar of the
3 Editor. This font selection is thereafter saved to the database as part of the HTML of
4 the description record. Selecting the Image button in the WYSIWYG editor opens a
5 tabbed panel where the user designates source, title, format, size, etc. The image file
6 is uploaded to the server and the file’s location and style are saved and posted to the
7 database as part of the HTML of the description record. Furthermore, videos are
8 created by clicking on the Media module, which opens a tabbed panel where the user
9 designates URL, format, size, etc. The video’s URL and style elements are saved to
10 the database as part of the HTML of the description record. A text area may also be
11 selected for creation by clicking in the frame of the WYSIWYG Editor and typing.
12 The text and its style are saved to the database as part of the HTML of the description
13 record. After entering text into the WYSIWYG editor’s text area, a URL assigned by
14 clicking and dragging over the text object you wish to link, and then selecting the
15 “chain” link button from the control bar; which opens a tabbed panel where the user
16 can designate the URL, target, etc. The text and its style are saved to the database as
17 part of the HTML of the description record.

18 46. The presence of the above referenced elements are demonstrated, by way
19 of example, by reference to publicly available information. *See, e.g.*,
20 <https://www.drupal.org/project/ckeditor>;
21 <https://www.drupal.org/docs/8/core/modules/ckeditor/overview>;
22 [https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821)
23 [images/10/03/2016/9821](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821); Angela Byron, *Ultimate Guide to Drupal 8* at 4 (2016);
24 [https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821)
25 [images/10/03/2016/9821](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821);
26 <https://www.drupal.org/docs/8/core/modules/media/overview>;
27 https://www.drupal.org/project/media_entity.

28

1 47. Claim 6 of the '397 patent recites the apparatus of claim 2, wherein said
2 elements are selected from the group consisting of a button, an image, a paragraph, a
3 frame, a table, a form and a vector object.

4 48. The Accused Instrumentalities infringe claim 6 of the '397 patent
5 through a combination of features that practice the limitations of Claim 6.

6 49. By way of example, the Accused Instrumentalities include various user
7 selectable menus where various elements can be placed on a web page. Those various
8 user selectable menus are used to place elements selected from the group consisting of
9 a button, an image, a paragraph, a frame, a table, a form and a vector object. The cells
10 of a table and maps would reside in a frame, and that, dividers, maps and the lines in
11 tables would be, at least in part, vector objects.

12 50. The presence of the above referenced elements are demonstrated, by way
13 of example, by reference to publicly available information. *See, e.g.*,
14 <https://www.drupal.org/project/ckeditor>;
15 <https://www.drupal.org/docs/8/core/modules/ckeditor/overview>;
16 [https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821)
17 [images/10/03/2016/9821](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821); Angela Byron, *Ultimate Guide to Drupal 8* at 4 (2016);
18 https://www.drupal.org/docs/8/core/modules/custom_block/overview;
19 <https://www.drupal.org/docs/8/core/modules/contact/overview>.

20 51. Claim 8 recites the apparatus of claim 2, wherein said elements include
21 one or more objects on a web page, and wherein said description of elements are a
22 transition or an animation of at least one of said elements on a web page.

23 52. The Accused Instrumentalities infringe claim 8 of the '397 patent through
24 a combination of features which collectively practice each limitation of claim 8. *See,*
25 *e.g.*, <https://wordpress.org/plugins/animate-everything/>.

26 53. Claim 9 recites the apparatus of claim 2, wherein said elements include a
27 button or an images, wherein said selectable settings include the selection of an
28

1 element style, and wherein said build tool includes means for storing information
2 representative of selected style in a database.

3 54. The Accused Instrumentalities infringe claim 9 of the '397 patent through
4 a combination of features which collectively practice each limitation of claim 9. *See,*
5 *e.g.*, <https://www.drupal.org/project/ckeditor>;
6 <https://www.drupal.org/docs/8/core/modules/ckeditor/overview>;
7 [https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821)
8 [images/10/03/2016/9821](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821);
9 <https://www.drupal.org/docs/8/core/modules/image/working-with-images>;
10 <https://www.drupal.org/docs/7/understanding-drupal/technology-stack>;
11 <https://www.drupal.org/docs/8/system-requirements/web-server>;
12 <https://www.drupal.org/docs/8/core/modules/rest/overview>;
13 <https://www.drupal.org/docs/8/core/modules/serialization/overview>;
14 <https://www.drupal.org/docs/8/understanding-drupal-8/overview>;
15 <https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8>;
16 [https://www.wpbeginner.com/wp-tutorials/how-to-add-custom-styles-to-wordpress-](https://www.wpbeginner.com/wp-tutorials/how-to-add-custom-styles-to-wordpress-visual-editor/)
17 [visual-editor/](https://www.wpbeginner.com/wp-tutorials/how-to-add-custom-styles-to-wordpress-visual-editor/).

18 55. Claim 10 recites the apparatus of claim 9, wherein said elements are
19 described by multiple object states.

20 56. The Accused Instrumentalities infringe claim 10 of the '397 patent
21 through a combination of features which collectively practice each limitation of claim
22 10. For example, buttons can have multiple object states. *See, e.g.*,
23 <https://www.drupal.org/docs/8/core/themes/seven-theme>;
24 <https://wordpress.org/plugins/animate-everything/>.

25 57. Claim 11 recites the apparatus of claim 9, wherein said elements are
26 described by a transformation or a timelines of said selected styles.

27 58. The Accused Instrumentalities infringe claim 11 of the '397 patent
28 through a combination of features which collectively practice each limitation of claim

1 11. By way of example, the Accused Instrumentalities support CSS architecture. *See,*
2 *e.g.*, <https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8>;
3 *see also, e.g.*, <http://demos.dojotoolkit.org/demos/css3/demo.html>;
4 <https://wordpress.org/plugins/animate-everything/>.

5 59. Claim 14 recites the apparatus of claim 2, wherein said elements include
6 buttons or images, wherein said description of elements is a transition or a timeline
7 which is selected according to input from a mouse, and wherein said build tool
8 includes means for storing information representative of said selected description of
9 elements in said database.

10 60. The Accused Instrumentalities infringe claim 14 of the '397 patent
11 through a combination of features which collectively practice each limitation of claim
12 14.

13 61. By way of example, the Accused Instrumentalities include various CSS
14 libraries that are used extensively for adding transformations and timelines to selected
15 elements. *See, e.g.*, [https://www.drupal.org/docs/develop/standards/css/css-](https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8)
16 [architecture-for-drupal-8](https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8); <http://demos.dojotoolkit.org/demos/css3/demo.html>.

17 62. Claim 15 recites the apparatus of claim 14, wherein at least one of said
18 description of elements is a timeline or an animation.

19 63. The Accused Instrumentalities infringe claim 15 of the '397 patent
20 through a combination of features which collectively practice each limitation of claim
21 15.

22 64. By way of example, the Accused Instrumentalities enable descriptions of
23 elements describing CSS animations. *See, e.g.*,
24 <https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8>;
25 <http://demos.dojotoolkit.org/demos/css3/demo.html>.

26 65. Claim 17 recites the apparatus of claim 2, wherein one or more of said
27 elements is a button or an image, wherein said description of elements is a transition,
28

1 an animation or a timeline, and wherein said build engine includes means to
2 synchronize said description of said one or more elements.

3 66. The Accused Instrumentalities infringe claim 17 of the '397 patent
4 through a combination of features which collectively practice each limitation of claim
5 17.

6 67. By way of example, the Accused Instrumentalities enable the definition
7 of certain parent elements and child element in certain classes, which can include the
8 URL for an image, in the database, and that also can be zoomed. The parent element
9 can include two transform styles, such as one for the parent and one for its lens.

10 68. Claim 20 recites the apparatus of claim 2, wherein at least one of said
11 elements is a child button or a child object, wherein said description of said elements
12 is a timeline, a transition or an animation, and wherein said build engine includes
13 means for defining said description of said element.

14 69. The Accused Instrumentalities infringe claim 20 of the '397 patent
15 through a combination of features which collectively practice each limitation of claim
16 20.

17 70. By way of example, the Accused Instrumentalities enable the description
18 of elements as timelines or transition. Moreover, the build engine includes the means
19 for defining said description of said element through a choice of menu items through
20 the design tab of the Product Information Admin Panel.

21 71. Claim 24 recites the apparatus of claim 2, wherein said run time files
22 include one compressed website specific, customized run time engine program file
23 and one compressed website specific, customized run time engine library file.

24 72. The Accused Instrumentalities infringe claim 24 of the '397 patent
25 through a combination of features which collectively practice each limitation of claim
26 24.

27 73. By way of example, the Accused Instrumentalities include two
28 customized runtime files, an HTML file and a second unique CSS file. *See, e.g.,*

1 <https://www.drupal.org/docs/7/understanding-drupal/technology-stack>;
2 <https://www.drupal.org/docs/8/system-requirements/web-server>;
3 <https://www.drupal.org/docs/8/core/modules/rest/overview>;
4 <https://www.drupal.org/docs/8/core/modules/serialization/overview>;
5 <https://www.drupal.org/docs/8/understanding-drupal-8/overview>;
6 <https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8>.

7 74. Claim 25 recites the apparatus of claim 24, wherein said run time files
8 include a dynamic web page scaling mechanism, whereby each of said one or more
9 generated web pages is scaled for viewing on said display.

10 75. The Accused Instrumentalities infringe claim 25 of the '397 patent
11 through a combination of features which collectively practice each limitation of claim
12 25.

13 76. By way of example, the Accused Instrumentalities enable rescaling of a
14 web page to the size of the particular screen that is being used. *See, e.g.*,
15 <https://www.drupal.org/docs/8/mobile/responsive-web-design>;
16 <https://www.drupal.org/docs/8/mobile/web-based-mobile-apps>.

17 77. Claim 35 of the '397 patent generally recites the apparatus of claim 2,
18 wherein the build tool includes dynamic resizing means operable to redefine a size of
19 a web page upon being display.

20 78. The Accused Instrumentalities infringe claim 35 of the '397 patent
21 through a combination of features which collectively practice each limitation of claim
22 35.

23 79. By way of example, the Accused Instrumentalities enable dynamic
24 resizing upon display to a different device and screen. For example, the Accused
25 Instrumentalities include "Responsive Web Design." Responsive Web Design refers
26 to web design that changes formatting and lay-out to respond to different devices,
27 screen sizes and browser capabilities. The Accused Instrumentalities therefore enable
28 the creation of web pages that may be viewed with resizing means operable to

1 redefine a size of a web page upon being displayed. *See, e.g.*,
2 http://www.w3schools.com/html/html_responsive.asp;
3 <https://www.drupal.org/docs/8/mobile/responsive-web-design>;
4 <https://www.drupal.org/docs/8/mobile/web-based-mobile-apps>.

5 80. Claim 37 of the '397 patent generally recites [a]n apparatus for producing
6 websites with web page(s) on and for a computer with a browser and a virtual
7 machine, the apparatus comprising: an interface for building a website through control
8 of website elements, being operable through the browser on to: present a selectable
9 settings menu, accept settings, and generate the display in accordance with an
10 assembly of settings contemporaneously with the acceptance thereof, at least one
11 setting being operable to generate said display through commands to said virtual
12 machine; an internal database associated with the interface for storing information
13 representative of one or more of assembly of settings for controlling elements of the
14 website; and a build tool to construct web page(s) of the website having: an external
15 database containing data corresponding to the information stored in the internal
16 database, and one or more run time files, where said run time files use information
17 stored in the external database to generate virtual machine commands for the display
18 of at least a portion of one or more web pages.

19 81. The Accused Instrumentalities infringe claim 37 of the '397 patent
20 through a combination of features which collectively practice each limitation of claim
21 37. By way of example, modern internet browsers such as Microsoft Internet
22 Explorer, Mozilla's Firefox, Apple Safari, Google Chrome, and Opera include virtual
23 machines within the meaning of the '397 patent. (*See, e.g.*,
24 <http://developer.telerik.com/featured/a-guide-to-javascript-engines-for-idiots/>;
25 <http://dictionary.reference.com/browse/virtual+machine?s=t>). The Accused
26 Instrumentalities support the use of the latest versions of Internet Explorer 11 or later,
27 Microsoft Edge, latest-1, Firefox latest, latest-1, Chrome latest, latest-1, Safari latest,
28 latest-1 (Mac OS), Safari Mobile for iPad 2, iPad Mini, iPad with Retina Display (iOS

1 7 or later), for desktop site, Safari Mobile for iPhone 4 or later; iOS 7 or later, for
2 mobile site, Chrome for mobile latest-1 (Android 4 or later) for mobile site, where
3 *latest-1* means one major version earlier than the latest released version. (See
4 <https://www.drupal.org/docs/8/system-requirements/browser-requirements>;
5 [http://devdocs.magento.com/guides/v2.0/install-gde/system-](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html)
6 [requirements_browsers.html](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html); <http://themeforest.net/category/wordpress>;
7 https://docs.joomla.org/Joomla_Browser_Support
8 [http://devdocs.magento.com/guides/v2.0/install-gde/system-](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html)
9 [requirements_browsers.html](http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements_browsers.html).)

10 82. By way of example, the Accused Instrumentalities include various
11 multimedia objects selected from a group contained within a WYSIWYG Editor.
12 Examples include color, font, an image, a video, a text area and a URL as they appear
13 in the WYSIWYG Editor. The multimedia objects created in the WYSIWYG editor
14 are stored in the database and appear as HTML scripted text in the database. Text and
15 vector objects can be selected and colored by selecting them or “clicking and
16 dragging” over them in the WYSIWYG editor. A color may also be selected from the
17 color dropdowns on the control bar of the Editor. This color is saved to the database;
18 as part of the HTML of the description record. Moreover, text objects may be assigned
19 a font by making such a selection or “click and dragging” over them in the
20 WYSIWYG editor. A font can then be selected from the font dropdown on the
21 control bar of the Editor. This font selection is thereafter saved to the database as part
22 of the HTML of the description record. Selecting the Image button in the WYSIWYG
23 editor opens a tabbed panel where the user designates source, title, format, size, etc.
24 The image file is uploaded to the server and the file’s location and style are saved and
25 posted to the database as part of the HTML of the description record. Furthermore,
26 videos are created by clicking on the Media module, which opens a tabbed panel
27 where the user designates URL, format, size, etc. The video’s URL and style
28 elements are saved to the database as part of the HTML of the description record. A

1 text area may also be selected for creation by clicking in the frame of the WYSIWYG
2 Editor and typing. The text and its style are saved to the database as part of the
3 HTML of the description record. After entering text into the WYSIWYG editor's text
4 area, a URL assigned by clicking and dragging over the text object you wish to link,
5 and then selecting the "chain" link button from the control bar; which opens a tabbed
6 panel where the user can designate the URL, target, etc. The text and its style are
7 saved to the database as part of the HTML of the description record.

8 83. Furthermore, the Accused Instrumentalities enable data from the client-
9 side form referenced to be stored in a server-side database.

10 84. The presence of the above referenced elements are demonstrated, by way
11 of example, by reference to publicly available information. *See, e.g.*,
12 <https://www.drupal.org/home>; <https://www.drupal.org/docs/8/system-requirements/browser-requirements>; <https://www.drupal.org/project/ckeditor>;
13 <https://www.drupal.org/docs/8/core/modules/ckeditor/overview>;
14 <https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821>; Angela Byron, *Ultimate Guide to Drupal 8* at 4 (2016);
15 https://www.drupal.org/project/save_draft;
16 <https://www.drupal.org/docs/7/understanding-drupal/technology-stack>;
17 <https://www.drupal.org/docs/8/system-requirements/web-server>;
18 <https://www.drupal.org/docs/8/core/modules/rest/overview>;
19 <https://www.drupal.org/docs/8/core/modules/serialization/overview>;
20 <https://www.drupal.org/docs/8/understanding-drupal-8/overview>;
21 <https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8>;
22 [http://docs.magento.com/m1/ee/user_guide/system-operations/index-
23 management.html](http://docs.magento.com/m1/ee/user_guide/system-operations/index-management.html); [http://docs.magento.com/m1/ee/user_guide/design/layout-
24 updates.html](http://docs.magento.com/m1/ee/user_guide/design/layout-updates.html); [http://docs.magento.com/m1/ee/user_guide/system-operations/cache-
25 page.html?Highlight=database%20retrieval](http://docs.magento.com/m1/ee/user_guide/system-operations/cache-page.html?Highlight=database%20retrieval);
26 http://docs.magento.com/m1/ee/user_guide/system-operations/media-storage.html;
27
28

1 [http://docs.magento.com/m1/ee/user_guide/system-operations/media-storage-](http://docs.magento.com/m1/ee/user_guide/system-operations/media-storage-database.html)
2 [database.html](http://docs.magento.com/m1/ee/user_guide/system-operations/media-storage-database.html);
3 [http://docs.magento.com/m1/ee/user_guide/Resources/pdf/magento_enterprise_edition](http://docs.magento.com/m1/ee/user_guide/Resources/pdf/magento_enterprise_edition_user_guide.pdf)
4 [_user_guide.pdf](http://docs.magento.com/m1/ee/user_guide/store-operations/stores-multiple.html); [http://docs.magento.com/m1/ee/user_guide/store-operations/stores-](http://docs.magento.com/m1/ee/user_guide/store-operations/stores-multiple.html)
5 [multiple.html](http://docs.magento.com/m1/ee/user_guide/store-operations/stores-multiple.html); [http://docs.magento.com/m1/ee/user_guide/store-operations/store-](http://docs.magento.com/m1/ee/user_guide/store-operations/store-hierarchy.html)
6 [hierarchy.html](http://docs.magento.com/m1/ee/user_guide/store-operations/store-hierarchy.html); [http://docs.magento.com/m1/ee/user_guide/system-](http://docs.magento.com/m1/ee/user_guide/system-operations/browser-capabilities-detection.html)
7 [operations/browser-capabilities-detection.html](http://docs.magento.com/m1/ee/user_guide/system-operations/browser-capabilities-detection.html);
8 http://docs.magento.com/m1/ce/user_guide/design/page-layout.html;
9 http://docs.magento.com/m1/ce/user_guide/design/layout-updates.html; and
10 [http://docs.magento.com/m1/ee/user_guide/Resources/pdf/magento_enterprise_edition](http://docs.magento.com/m1/ee/user_guide/Resources/pdf/magento_enterprise_edition_user_guide.pdf)
11 [_user_guide.pdf](http://docs.magento.com/m1/ee/user_guide/Resources/pdf/magento_enterprise_edition_user_guide.pdf). Regarding Wordpress, *see, e.g.*,
12 <http://themeforest.net/category/wordpress>; <http://codex.wordpress.org/Templates>;
13 http://codex.wordpress.org/Template_Hierarchy;
14 http://codex.wordpress.org/Function_Reference/the_title;
15 http://codex.wordpress.org/Function_Reference/the_content;
16 http://codex.wordpress.org/Template_Tags/get_the_title;
17 http://codex.wordpress.org/Query_Overview;
18 <https://www.wpbeginner.com/glossary/database/>; and
19 <https://codex.wordpress.org/Pages>. Regarding Joomla, *see, e.g.*,
20 https://docs.joomla.org/Joomla_Browser_Support;
21 [https://www.joomlart.com/documentation/other/joomla-3-and-joomla-2-5-system-](https://www.joomlart.com/documentation/other/joomla-3-and-joomla-2-5-system-requirement)
22 [requirement](https://www.joomlart.com/documentation/other/joomla-3-and-joomla-2-5-system-requirement); <https://showcase.joomla.org/>;
23 https://docs.joomla.org/Editor_form_field_type; [https://developer.joomla.org/coding-](https://developer.joomla.org/coding-standards/html.html)
24 [standards/html.html](https://developer.joomla.org/coding-standards/html.html); <https://developer.joomla.org/coding-standards/css.html>;
25 <https://developer.joomla.org/coding-standards/javascript.html>;
26 https://docs.joomla.org/Generating_JSON_output; [https://api.joomla.org/cms-](https://api.joomla.org/cms-3/classes/Joomla.CMS.Input.Json.html)
27 [3/classes/Joomla.CMS.Input.Json.html](https://api.joomla.org/cms-3/classes/Joomla.CMS.Input.Json.html);
28

1 https://docs.joomla.org/How_do_you_assign_a_module_to_specific_pages%3F;
2 https://docs.joomla.org/Where_are_the_web_pages%3F.

3 85. Upon information and belief, these Accused Instrumentalities are used,
4 marketed, provided to, and or used by or for each of Defendant's partners, clients,
5 customers, and/or end users across the country and in this District.

6 86. In particular, Defendant's actions that aid and abet others such as its
7 partners, customers, clients, and/or end users to infringe include advertising and
8 distributing the Accused Instrumentalities and providing instruction materials,
9 training, and services regarding the Accused Instrumentalities. *See, e.g.*,
10 <http://www.netlancers.com/services>. On information and belief, Defendant has
11 engaged in such actions with specific intent to cause infringement or with willful
12 blindness to the resulting infringement because Defendant has had actual knowledge
13 of the '397 patent and knowledge that its acts were inducing infringement of the '397
14 patent since at least the date IndiaNIC received notice that such activities infringed the
15 '397 patent.

16 87. Upon information and belief, Defendant is liable as a contributory
17 infringer of the '397 patent under 35 U.S.C. § 271(c) by offering to sell, selling and
18 importing into the United States website authoring tools to be especially made or
19 adapted for use in an infringement of the '397 patent. The Accused Instrumentalities
20 are a material component for use in practicing the '397 patent and are specifically
21 made and are not a staple article of commerce suitable for substantial non-infringing
22 use.

23 88. Defendant was made aware of the '397 patent and its infringement
24 thereof at least as early as the filing of this Complaint.

25 89. Since the date of the filing of this Complaint, Defendant's infringement
26 of the '397 patent has been willful.

27
28

1 90. Plaintiff has not sold any product nor offered a service within the scope
2 of any claim of the '397 patent. In addition, prior to August 12, 2015, no license to
3 the '397 patent had been granted.

4 91. Plaintiff has been harmed by Defendant's infringing activities.

5 **COUNT II – INFRINGEMENT OF U.S. PATENT NO. 7,594,168**

6 92. The allegations set forth in the foregoing paragraphs 1 through 91 are
7 incorporated into this Second Claim for Relief.

8 93. On September 22, 2009, U.S. Patent No. 7,594,168 entitled *Browser*
9 *Based Web Site Generation Tool and Run Time Engine* was duly and legally issued by
10 the United States Patent and Trademark Office. A true and correct copy of the '168
11 patent is attached as Exhibit E.

12 94. The inventions of the '168 patent resolve technical problems related to
13 website creation and generation. For example, the inventions enable the creation of
14 websites through browser-based build tools and a user interface, which features are
15 exclusively implemented utilizing computer technology.

16 95. The claims of the '168 patent do not merely recite the performance of
17 some business practice known from the pre-Internet world along with the requirement
18 to perform it on the Internet. Instead, the claims of the '168 patent recite one or more
19 inventive concepts that are rooted in computerized website creation technology, and
20 overcome problems specifically arising in the realm of computerized website creation
21 technologies.

22 96. The claims of the '168 patent recite an invention that is not merely the
23 routine or conventional use of website creation systems and methods. Instead, the
24 invention describes a browser-based website creation system including a server
25 comprising a build engine configured to create and apply styles to, for example, a
26 website with web pages comprised of objects.

27
28

1 97. The technology claimed in the '168 patent does not preempt all ways of
2 using website or web page authoring tools nor preempt the use of all website or web
3 page authoring tools, nor preempt any other well-known or prior art technology.

4 98. Accordingly, each claim of the '168 patent recites a combination of
5 elements sufficient to ensure that the claim in practice amounts to significantly more
6 than a patent on an ineligible concept.

7 99. As noted above and incorporated into this Second Claim for Relief,
8 defendants in other cases in which the '397 and '168 patents were asserted, asserted
9 that the '397 and '168 patents were invalid under 35 U.S.C. § 101. Those motions
10 and related Orders are discussed above.

11 100. Plaintiff is the assignee and owner of the right, title and interest in and to
12 the '168 patent, including the right to assert all causes of action arising under said
13 patents and the right to any remedies for infringement of them.

14 101. Upon information and belief, Defendant has and continues to directly
15 infringe at least claims 1-6 of the '168 patent by using a browser-based website and/or
16 web page authoring tool in which the user-selected settings representing website
17 elements are stored in a database, and retrieval of said information to generate said
18 website (the "Accused Instrumentalities"). The Accused Instrumentalities include but
19 are not limited website building tools used and/or provided by Defendant, such as, for
20 example Drupal, Joomla, Magento and/or Wordpress. *See, e.g.,*

21 <http://www.netlancers.com/portfolio/hanlemellon>;

22 <http://www.netlancers.com/portfolio/mega-homes-and-urban-housing-website>;

23 <http://www.netlancers.com/portfolio/espressopros-magento-store>; and

24 <http://www.netlancers.com/portfolio/golden-key->

25 102. In particular, claim 1 of the '168 patent generally recites a system for
26 assembling a website comprising a server with a build engine, the website comprising
27 web pages with objects (one button or one image object), the server accepting user
28 input to associate a style with objects, wherein a button or image object is associated

1 with a style that includes values defining transformations and time lines; wherein each
2 web page is defined entirely by the objects and the style associated with the object,
3 produce a database with a multidimensional array comprising the objects that
4 comprise the website including data defining the object style, number, and an
5 indication of the web page that each object is part of, and provide the database to a
6 server accessible to web browser; wherein the database is produced such that a web
7 browser with access to a runtime engine is configured to generate the website from the
8 objects and style data extracted from the provided database.

9 103. The Accused Instrumentalities infringe claim 1 of the '168 patent through
10 a combination of features which collectively practice each limitation of claim 1. (*See*,
11 *e.g.*, https://developer.mozilla.org/en-US/docs/Web/API/Document_Object_Model,
12 http://www.w3schools.com/js/js_htmlDOM.asp.)

13 104. Further, by way of example, the JSON strings that are used by the
14 Accused Instrumentalities to generate, in part, element formatting originate from the
15 database and therefore reflect the database structure and contents showing, on
16 information and belief, the implementation of a multidimensional array structured
17 database comprising the objects that comprise the web site. By way of further
18 evidence, the JSON strings show that there are dimensions for the pages, for arrays of
19 columns, for arrays of sections, and for arrays of modules generated using the
20 Accused Instrumentalities. *See, e.g.*,
21 <https://api.drupal.org/api/drupal/core%21modules%21field%21field.module/group/field/8.3.x>
22

23 105. Further, the Accused Instrumentalities enable the storing in the database
24 of data defining each object such as object styles, an object number, and an indication
25 of the which page each object is a part of. For example, a user can select a theme
26 style for a body title on a specific page. The CSS database file is thereafter saved to
27 the server, reflecting the selected font, size, and the object and page to which it
28 applies.

1 106. By way of example, for the completed web site, the Accused
2 Instrumentalities include runtime files, such as, for example HTML CSS files. *See,*
3 *e.g.*, <https://www.drupal.org/home>; [https://www.drupal.org/docs/8/system-](https://www.drupal.org/docs/8/system-requirements/browser-requirements)
4 [requirements/browser-requirements; https://www.drupal.org/project/ckeditor](https://www.drupal.org/project/ckeditor);
5 <https://www.drupal.org/docs/8/core/modules/ckeditor/overview>;
6 [https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821)
7 [images/10/03/2016/9821](https://dev.acquia.com/blog/tutorial-drupal-8-wysiwyg-inline-and-responsive-images/10/03/2016/9821); Angela Byron, *Ultimate Guide to Drupal 8* at 4 (2016);
8 <https://www.drupal.org/docs/7/understanding-drupal/technology-stack>;
9 <https://www.drupal.org/docs/8/system-requirements/web-server>;
10 <https://www.drupal.org/docs/8/core/modules/rest/overview>;
11 <https://www.drupal.org/docs/8/core/modules/serialization/overview>;
12 <https://www.drupal.org/docs/8/understanding-drupal-8/overview>;
13 <https://www.drupal.org/docs/develop/standards/css/css-architecture-for-drupal-8>;
14 <https://www.drupal.org/docs/8/core/modules/media/overview>;
15 https://www.drupal.org/project/media_entity;
16 <https://www.drupal.org/docs/8/core/modules/image/working-with-images>;
17 <http://demos.dojotoolkit.org/demos/css3/demo.html>;
18 <https://www.drupal.org/files/issues/Field.png>;
19 <https://api.drupal.org/api/drupal/core%21modules%21field%21field.module/group/field/8.3.x>;
20 https://www.drupal.org/project/save_draft.

21 107. Claim 2 of the '168 patent generally recites the system of claim 1,
22 wherein one of said plurality of objects is a child, and wherein the build engine is
23 configured to accept user input to associate a style with child button and child image
24 objects.

25 108. The Accused Instrumentalities infringe claim 2 of the '168 patent
26 through a combination of features which collectively practice each limitation of claim
27 2.
28

1 109. By way of example from Express Mobile’s investigatory use of the
2 Accused Instrumentalities, users of the Accused Instrumentalities are able to access
3 child element images by clicking on a parent element which unlock additional images
4 related to a product being viewed.

5 110. Claim 3 of the ’168 patent generally recites the system of claim 2,
6 wherein at least one of said styles includes values defining timelines for child button
7 and child image objects.

8 111. The Accused Instrumentalities infringe claim 3 of the ’168 patent
9 through a combination of features which collectively practice each limitation of claim
10 3.

11 112. By way of example, the Accused Instrumentalities incorporate various
12 CSS libraries, and CSS-animations and CSS-transitions are used extensively for
13 adding transformations and timelines to selected elements. On information and belief,
14 this includes timelines for child buttons and child image objects. *See*
15 [http://docs.magento.com/m1/ee/user_guide/cms/banner-](http://docs.magento.com/m1/ee/user_guide/cms/banner-rotator.html?Highlight=carousel)
16 [rotator.html?Highlight=carousel](http://docs.magento.com/m1/ee/user_guide/cms/banner-rotator.html?Highlight=carousel).

17 113. Claim 4 of the ’168 patent generally recites the system of claim 1,
18 wherein at least one of said styles includes settings for multiple object states.

19 114. The Accused Instrumentalities infringe claim 4 of the ’168 patent through
20 a combination of features which collectively practice each limitation of claim 4.

21 115. By way of example, the Accused Instrumentalities enable the ability to
22 define a hover state, so that an element, including a button, has defined styles. *See,*
23 *e.g.,* <https://www.drupal.org/docs/8/core/themes/seven-theme>.

24 116. Claim 5 of the ’168 patent generally recites the system of claim 1,
25 further including file size reduction means for reducing total size of files generated by
26 said build engine to a size between 12k and 50k.

27 117. On information and belief, the Accused Instrumentalities infringe claim 5
28 of the ’168 patent through a combination of features which collectively practice each

1 limitation of claim 5. *See* [http://docs.magento.com/m1/ee/user_guide/design/merge-](http://docs.magento.com/m1/ee/user_guide/design/merge-css.html?Highlight=css)
2 [css.html?Highlight=css](http://docs.magento.com/m1/ee/user_guide/design/merge-css.html?Highlight=css).

3 118. Claim 6 of the '168 patent generally recites the system of claim 1, where
4 said data is stored as one or more of a Boolean an integer, a string, a floating point
5 variables, or a URL.

6 119. The Accused Instrumentalities infringe claim 6 of the '168 patent through
7 a combination of features which collectively practice each limitation of claim 6. A
8 review of the API documentation behind websites created using the Accused
9 Instrumentalities reveals data that is stored as one or more of a Boolean, an integer, or
10 a string. *See, e.g.*, [https://www.drupal.org/docs/8/api/entity-api/defining-and-using-](https://www.drupal.org/docs/8/api/entity-api/defining-and-using-content-entity-field-definitions)
11 [content-entity-field-definitions](https://www.drupal.org/docs/8/api/entity-api/defining-and-using-content-entity-field-definitions).

12 120. Upon information and belief, these Accused Instrumentalities are used,
13 marketed, provided to, and or used by or for each of Defendant's partners, clients,
14 customers, and/or end users across the country and in this District.

15 121. In particular, Defendant's actions that aid and abet others such as its
16 partners, customers, clients, and/or end users to infringe include advertising and
17 distributing the Accused Instrumentalities and providing instruction materials,
18 training, and services regarding the Accused Instrumentalities. *See, e.g.*,
19 <http://www.netlancers.com/services>. On information and belief, Defendant has
20 engaged in such actions with specific intent to cause infringement or with willful
21 blindness to the resulting infringement because Defendant has had actual knowledge
22 of the '168 patent and knowledge that its acts were inducing infringement of the '397
23 patent since at least the date IndiaNIC received notice that such activities infringed the
24 '168 patent.

25 122. Upon information and belief, Defendant is liable as a contributory
26 infringer of the '168 patent under 35 U.S.C. § 271(c) by offering to sell, selling and
27 importing into the United States website authoring tools to be especially made or
28 adapted for use in an infringement of the '168 patent. The Accused Instrumentalities

1 are a material component for use in practicing the '168 patent and are specifically
2 made and are not a staple article of commerce suitable for substantial non-infringing
3 use.

4 123. Defendant was made aware of the '168 patent and its infringement
5 thereof at least as early as the filing of this Complaint.

6 124. Since the date of the filing of this Complaint, Defendant's infringement
7 of the '168 patent has been willful.

8 125. Plaintiff has not sold any product nor offered a service within the scope
9 of any claim of the '168 patent. In addition, prior to August 12, 2015, no license to
10 the '168 patent had been granted.

11 126. Plaintiff has been harmed by Defendant's infringing activities.

12 **COUNT III – INFRINGEMENT OF U.S. PATENT NO. 9,471,287**

13 127. The allegations set forth in the foregoing paragraphs 1 through 102 are
14 incorporated into this Third Claim for Relief.

15 128. On October 18, 2016, U.S. Patent No. 9,471,287 ("the '287 patent"),
16 entitled "*Systems and Methods for Integrating Widgets on Mobile Devices*," was duly
17 and legally issued by the United States Patent and Trademark Office. A true and
18 correct copy of the '287 patent is attached as Exhibit F.

19 129. The inventions of the '287 patent resolve technical problems related to
20 generating content on a display of a device, such as the display of a mobile device.
21 For example, the inventions of the '287 patent feature a registry and an authoring tool
22 or Player configured to define a User Interface ("UI") object for display on the device,
23 where the UI object corresponds to a web component. Each UI object is either: 1)
24 selected by a user or 2) automatically selected by the system as a preferred UI object
25 corresponding to a symbolic name of the web component and used to produce an
26 Application, where the Application is a device-independent code; and a Player, where
27 the Player is a device-dependent code. The Application and Player enable 1) the
28 device to provide one or more input values and corresponding input symbolic name to

1 the web service and 2) the web service to utilize the input symbolic name and the user
2 provided one or more input values to generate one or more output values having an
3 associated output symbolic name, while 3) the Player receives the output symbolic
4 name and corresponding one or more output values and provide instructions for the
5 display of the device to present an output value in the defined UI object. These
6 features are exclusively implemented utilizing computer technology.

7 130. The claims of the '287 patent do not merely recite the performance of
8 some business practice known from the pre-Internet world along with the requirement
9 to perform it on the Internet. Instead, the claims of the '287 patent recite one or more
10 inventive concepts that are rooted in the computerized generation of content on a
11 display of a device, such as a mobile device, and overcome problems specifically
12 arising in the realm of computerized display content generation technologies.

13 131. The claims of the '287 patent recite inventions that are not merely the
14 routine or conventional use of systems and methods for the computerized generation
15 of content on a display of a device. Instead, the inventions feature systems for use
16 with devices and methods of using the systems with authoring tools or Players specific
17 to each device and Applications that are device independent.

18 132. The technology claimed in the '287 patent does not preempt all ways for
19 the computerized generation of content on a display of a device, such as a mobile
20 device, nor preempt the use of all authoring tools or Players for the computerized
21 generation of content on a display of a device, such as a mobile devices, nor preempt
22 any other well-known or prior art technology.

23 133. Accordingly, each claim of the '287 patent recites a combination of
24 elements sufficient to ensure that the claim in practice amounts to significantly more
25 than a patent on an ineligible concept.

26 134. Plaintiff is the assignee and owner of the right, title and interest in and to
27 the '287 patent, including the right to assert all causes of action arising under the
28 patents and the right to any remedies for infringement of them.

1 135. Upon information and belief, Defendant has and continues to directly
2 infringe at least claims 1-5, 11, 12, 15-19, 25 and 26 of the '287 patent by a system
3 and method which includes a registry and an authoring tool or Player configured to
4 define a User Interface ("UI") object for display on the device, where the UI object
5 corresponds to a web component. Each UI object is either: 1) selected by a user or 2)
6 automatically selected by the system as a preferred UI object corresponding to a
7 symbolic name of the web component and used to produce an Application, where the
8 Application is a device-independent code and a Player, where the Player is a device-
9 dependent code. The Application and Player enable 1) the device to provide one or
10 more input values and corresponding input symbolic name to the web service and 2)
11 the web service to utilize the input symbolic name and the user provided one or more
12 input values to generate one or more output values having an associated output
13 symbolic name, while 3) the Player receives the output symbolic name and
14 corresponding one or more output values and provides instructions for the display of
15 the device to present an output value in the defined UI object (the "Accused
16 Instrumentalities"). The Accused Instrumentalities include platforms that enable the
17 functionality described above and include but are not limited to, for example,
18 WordPress. *See, e.g.*, <http://www.netlancers.com/portfolio/golden-key->

19 136. In particular, claim 1 of the '287 patent recites 1 a system for generating
20 code to provide content on a display of a device, the system comprising: computer
21 memory storing a registry of: a) symbolic names required for evoking one or more
22 web components each related to a set of inputs and outputs of a web service
23 obtainable over a network, where the symbolic names are character strings that do not
24 contain either a persistent address or pointer to an output value accessible to the web
25 service, where each symbolic name has an associated data format class type
26 corresponding to a subclass of User Interface (UI) objects that support the data format
27 type of the symbolic name, and has a preferred UI object, and b) an address of the web
28 service; an authoring tool configured to: define a (UI) object for presentation on the

1 display, where the defined UI object corresponds to a web component included in the
2 registry selected from a group consisting of an input of the web service and an output
3 of the web service, where each defined UI object is either: 1) selected by a user of the
4 authoring tool; or 2) automatically selected by the system as the preferred UI object
5 corresponding to the symbolic name of the web component selected by the user of the
6 authoring tool, access the computer memory to select the symbolic name
7 corresponding to the web component of the defined UI object, associate the selected
8 symbolic name with the defined UI object, where the selected symbolic name is only
9 available to UI objects that support the defined data format associated with that
10 symbolic name, and produce an Application including the selected symbolic name of
11 the defined UI object, where the Application is a device-independent code; and a
12 Player, where the Player is a device-dependent code, wherein, when the Application
13 and Player are provided to the device and executed on the device, and when the user
14 of the device provides one or more input values associated with an input symbolic
15 name to an input of the defined UI object, 1) the device provides the user provided
16 one or more input values and corresponding input symbolic name to the web service,
17 2) the web service utilizes the input symbolic name and the user provided one or more
18 input values for generating one or more output values having an associated output
19 symbolic name, 3) the Player receives the output symbolic name and corresponding
20 one or more output values and provides instructions for the display of the device to
21 present an output value in the defined UI object.

22 137. The Accused Instrumentalities infringe claim 1 of the '287 patent through
23 a combination of features The Accused Instrumentalities infringe claim 1 of the '287
24 patent through a combination of features which collectively practice each limitation of
25 claim 1. By way of example, the Accused Instrumentalities feature a system for
26 generating code to provide content on a display of a device. The system includes a
27 server hosting the WordPress platform, which provides WordPress's WYSIWYG
28 visual effects editor, and which is accessed through a WordPress-compatible browser.

1 WordPress’s WYSIWYG visual effects editor generates code, such as JavaScript or
 2 HTML code, for such options as defining title, text, images, videos and paragraph
 3 styles, while the browser displays the resulting content as a WordPress webpage on a
 4 display of a device.

5 138. For example, on information and belief, WordPress uses a variety of
 6 databases in its technology stack including MySQL. Data from the wp_options table
 7 for the website header and the data from the wp_posts table for the “WordPress Info”
 8 web page extracted directly from the Bitnami WordPress server-side database using
 9 MySQL Workbench. The stored data in the wp_options table includes the website’s
 10 url, the website’s title (blogname), the website’s tagline (blogdescription), and the
 11 active template (style sheet).

option_id	option_name	option_value
1	siteurl	http://localhost/wordpress
2	blogname	Express Mobile
3	blogdescription	SELECTED USERS OF WORDPRESS
44	template	the-fundamentals-of-graphic-design

12
 13
 14
 15
 16
 17
 18 The stored data in the wp_posts table for the “WordPress Info” web page includes
 19 information corresponding to user selected settings such as, for example, the color red
 20 (“#ff0000”) for “manages 22%”. Other user selections shown in stored database data
 21 below include, for ex-ample, the image filename for the image
 22 (<http://localhost/wordpress/wp-content/uploads/2013/03/icon21.png>), the image
 23 alignment (class=“wp-image-24 aligncenter”), and a selected paragraph style (h3) for
 24 “Heading 3”.

ID	post_content	post_title	post_type
23	<p>WordPress is used by over 14.7% of Alexa Internet's "top 1 million" websites and as of August, 2011, believe it or not, manages 22% of all new websites. WordPress is currently the most popular blogging system in use on the Web.</p> <p>&nbsp;</p> <p style="text-align: center;"></p></p> <p>&nbsp;</p> <p><h3>As of December 2011, WordPress version 3.0 had been downloaded over 65 million times.</h3></p> <p>&nbsp;</p>	WordPress Info	page

WordPress's HTML, CSS, Java, and JSON coding capabilities further are shown, *e.g.*, by <http://codex.wordpress.org/Templates>, <https://codex.wordpress.org/CSS>, <https://developer.wordpress.org/rest-api/>.

139. The Accused Instrumentalities feature a computer memory provided by WordPress MySQL database functionality on the WordPress server. By way of example, WordPress utilizes JSON strings extensively as part of its API, which necessarily require servers and databases. (*See*, <https://developer.wordpress.org/rest-api/>.)

140. The computer memory stores a registry of a) symbolic names required for evoking one or more web components each related to a set of inputs and outputs of a web service obtainable over a network, where the symbolic names are character strings that do not contain either a persistent address or pointer to an output value accessible to the web service. The WordPress MySQL database contains symbolic names required for evoking one or more web components each related to a set of inputs and outputs of a web service obtainable over a network by the formatting of the

1 symbolic names in conjunction with WordPress's WYSIWYG visual effects editor,
2 widget, and plugin authoring tools.

3 141. Furthermore, each symbolic name has an associated data format class
4 type corresponding to a subclass of defined UI objects *i.e.*, element/UI components,
5 that supports the data format type of the symbolic name, and has a preferred UI object
6 as evidenced by the JSON formatting of the name in conjunction with WordPress'
7 WYSIWYG visual effects editor and widget authoring tools. JSON names are strings
8 that only represent the symbolic names that are bound both to a web service input
9 and/or output and to a UI object. All JSON names in the name/value pairs are
10 character strings. WordPress' WYSIWYG visual effects editor includes elements for
11 defining the layout for placement of the defined UI objects. Widgets, plug-ins and
12 other elements correspond to the defined UI objects and are the product of the JSON
13 formatting. (*See*, for example,
14 https://codex.wordpress.org/WordPress_Lessons#Template_Files,
15 https://codex.wordpress.org/WordPress_Widgets,
16 https://codex.wordpress.org/Plugin_Resources, and
17 https://codex.wordpress.org/Plugin_API.)

18 142. The computer memory also stores b) an address of the web service.
19 Because WordPress contains web services, it contains the corresponding addresses for
20 the web services. (*See*, for example, <https://developer.wordpress.org/rest-api/>,
21 https://codex.wordpress.org/WordPress_Widgets,
22 https://codex.wordpress.org/Plugin_Resources, and
23 https://codex.wordpress.org/Plugin_API.)

24 143. The Accused Instrumentalities feature an authoring tool in the form of
25 WordPress's WYSIWYG visual effects editor, widget, and plug-in authoring tools.
26 (*See*, for example, https://codex.wordpress.org/WordPress_Widgets,
27 https://codex.wordpress.org/Plugin_Resources,
28 https://codex.wordpress.org/Plugin_API.)

1 144. The authoring tool is configured to define a UI object for presentation on
2 the display, where the defined UI object corresponds to a web component included in
3 the registry selected from a group consisting of an input of the web service and an
4 output of the web service. WordPress's WYSIWYG visual effects editor and widget
5 authoring tools define the presence of a defined UI object for presentation on a display
6 and the defined UI object corresponds to a web component included in the computer
7 memory selected from a group consisting of an input of the web service and an output
8 of the web service.

9 145. Each defined UI object is either: 1) selected by a user of the authoring
10 tool; or 2) automatically selected by the system as the preferred UI object
11 corresponding to the symbolic name of the web component selected by the user of the
12 authoring tool. WordPress's UI objects are automatically selected by the system as
13 the preferred UI object corresponding to the symbolic name of the web component
14 selected by the user of the authoring tool, i.e., a UI object selected by a user is
15 automatically selected. When a Widget is selected in the WordPress Widget selection
16 list steps 1 to 5 under "Displaying Widgets", the widget UI will automatically
17 displayed in the Web Page Sidebar. (*See*, for example,
18 https://codex.wordpress.org/WordPress_Widgets,
19 https://codex.wordpress.org/Plugin_Resources,
20 https://codex.wordpress.org/Plugin_API.)

21 146. The authoring tool is configured to access the computer memory to select
22 the symbolic name corresponding to the web component of the defined UI object by a
23 JSON formatted element.

24 147. The authoring tool is also configured to associate the selected symbolic
25 name with the defined UI object, i.e., the JSON formatted element, where the selected
26 symbolic name is only available to UI objects that support the defined data format
27 associated with the element associated with that symbolic name, i.e., JSON string.
28 JSON names are strings that only represent the symbolic names that are bound both to

1 a web service input and/or output and to a UI object. All JSON names in the
2 name/value pairs are character strings. When the WordPress Editor makes a UI
3 element request a JSON request is sent to the Server and a JSON data response is
4 provided to the Interface. (*See*, for example, <https://developer.wordpress.org/rest-api/>,
5 https://codex.wordpress.org/WordPress_Widgets,
6 https://codex.wordpress.org/Plugin_Resources,
7 https://codex.wordpress.org/Plugin_API.)

8 148. The WordPress authoring tool is configured to produce an Application
9 including the selected symbolic name of the defined UI object, (*see*, for example,
10 <https://developer.wordpress.org/rest-api/reference/>,
11 https://codex.wordpress.org/Widgets_API,
12 https://codex.wordpress.org/Plugin_Resources, and
13 https://codex.wordpress.org/Plugin_API), where the Application is a device-
14 independent with its API and “responsive” capabilities. (*See*, for example,
15 <https://torquemag.io/2017/08/make-wordpress-website-mobile-friendly/> and
16 <https://torquemag.io/2017/08/make-wordpress-website-mobile-friendly/>.)

17 149. The WordPress authoring tool is further configured to produce a Player
18 (*see*, for example, <https://codex.wordpress.org/CSS2>,
19 https://codex.wordpress.org/Using_Javascript, [https://developer.wordpress.org/rest-](https://developer.wordpress.org/rest-api/)
20 [api/](https://developer.wordpress.org/rest-api/)), where the Player is a device-dependent code. WordPress contains a Player in
21 the form of a runtime player. The Accused Instrumentality produces a device
22 dependent file, which is wrapped inside the runtime file. In order for a site to display
23 on different devices through a browser or through responsive capabilities, there is
24 device dependent code (*see*, for example, [https://torquemag.io/2017/08/make-](https://torquemag.io/2017/08/make-wordpress-website-mobile-friendly/)
25 [wordpress-website-mobile-friendly/](https://torquemag.io/2017/08/make-wordpress-website-mobile-friendly/) and <https://wordpress.org/themes/ultra/>.)

26 150. The Accused Instrumentalities feature a system where the Application
27 and Player are provided to the device and executed on the device and when the user of
28 the device provides one or more input values associated with an input symbolic name

1 to an input of the defined UI object. Because the Accused Instrumentalities
2 incorporate a system that includes WordPress, when a user of the device provides one
3 or more input values associated with an input symbolic name, using JSON formatting
4 characteristics, to an input of the defined UI object, the device provides the user
5 provided one or more input values and corresponding input symbolic name, using
6 JSON formatting characteristics, to the web service. (*See*, for example,
7 <https://developer.wordpress.org/rest-api/>, [https://developer.wordpress.org/rest-](https://developer.wordpress.org/rest-api/reference/)
8 [api/reference/](https://developer.wordpress.org/rest-api/reference/), https://codex.wordpress.org/Widgets_API,
9 https://codex.wordpress.org/Plugin_Resources, and
10 https://codex.wordpress.org/Plugin_API.)

11 151. The Accused Instrumentalities feature a system where the device
12 provides the user provided one or more input values and corresponding input
13 symbolic name to the web service. Because the Accused Instrumentalities incorporate
14 a system that includes WordPress, the web service utilizes the input symbolic name
15 and the user provided one or more input values for generating one or more output
16 values having an associated output symbolic name. The defined UI object output
17 value corresponds to the output symbolic name based on its JSON formatting
18 characteristics. (*See*, for example, <https://developer.wordpress.org/rest-api/>,
19 <https://developer.wordpress.org/rest-api/reference/>,
20 https://codex.wordpress.org/Widgets_API,
21 https://codex.wordpress.org/Plugin_Resources, and
22 https://codex.wordpress.org/Plugin_API.)

23 152. The Accused Instrumentalities feature a system where the web service
24 utilizes the input symbolic name and the user provided one or more input values for
25 generating one or more output values having an associated output symbolic name.
26 Because of the JSON formatting, the output values having an associated output
27 symbolic name. (*See*, for example, <https://developer.wordpress.org/rest-api/>,
28 <https://developer.wordpress.org/rest-api/reference/>,

1 https://codex.wordpress.org/Widgets_API,
2 https://codex.wordpress.org/Plugin_Resources, and
3 https://codex.wordpress.org/Plugin_API.)

4 153. The Accused Instrumentalities feature a system where the Player receives
5 the output symbolic name and corresponding one or more output values and provides
6 instructions for the display of the device to present an output value in the defined UI
7 object. The runtime player within WordPress receives the output name, output value,
8 and provides instructions for a display as shown by the fact that the defined UI object
9 are ultimately rendered. (See, for example, <https://developer.wordpress.org/rest-api/>,
10 <https://developer.wordpress.org/rest-api/reference/>,
11 https://codex.wordpress.org/Widgets_API,
12 https://codex.wordpress.org/Plugin_Resources, and
13 https://codex.wordpress.org/Plugin_API.)

14 154. The presence of the above referenced features is demonstrated, by way of
15 example, by reference to publicly available information. Regarding WordPress, see,
16 e.g., <http://themeforest.net/category/wordpress>; <http://codex.wordpress.org/Templates>;
17 http://codex.wordpress.org/Template_Hierarchy;
18 http://codex.wordpress.org/Function_Reference/the_title;
19 http://codex.wordpress.org/Function_Reference/the_content;
20 <https://www.wpbeginner.com/glossary/database/>; <https://codex.wordpress.org/Pages>;
21 <http://codex.wordpress.org/Templates>;
22 http://codex.wordpress.org/Template_Tags/get_the_title; and
23 http://codex.wordpress.org/Query_Overview.

24 155. Claim 2 of the '287 patent recites a system for generating code to provide
25 content on a display of a device that includes all the elements of claim 1, additionally
26 where the registry includes definitions of input and output related to the web service.

27 156. The Accused Instrumentalities infringe claim 2 of the '287 patent through
28 a combination of features which collectively practice each limitation of claim 1. By

1 way of example, the registry includes definitions of input and output related to a web
2 service as evidenced by WordPress’s JSON formatting characteristics of the defined
3 UI objects. (See, for example, <https://developer.wordpress.org/rest-api/>;
4 <https://developer.wordpress.org/rest-api/reference/>;
5 <https://developer.wordpress.org/rest-api/reference/posts/>
6 https://developer.wordpress.org/rest-api/reference/posts/#schema-title_2,
7 https://codex.wordpress.org/Widgets_API_2;
8 https://codex.wordpress.org/Plugin_Resources; and
9 https://codex.wordpress.org/Plugin_API_2;
10 https://codex.wordpress.org/WordPress_Widgets_2.)

11 157. Claim 3 of the ’287 patent recites a system for generating code to provide
12 content on a display of a device that includes all the elements of claim 1, additionally
13 where the web component is a text chat, a video chat, an image, a slideshow, a video,
14 or an RSS feed.

15 158. The Accused Instrumentalities infringe claim 3 of the ’287 patent through
16 a combination of features which collectively practice each limitation of claim 3. By
17 way of example, the Accused Instrumentalities feature web components additionally
18 including web chat, Reuters RSS feed, Calendar image, and map image widgets.

19 159. Claim 4 of the ’287 patent recites a system for generating code to provide
20 content on a display of a device that includes all the elements of claim 1, additionally
21 where the defined UI object is an input field for a chat.

22 160. The Accused Instrumentalities infringe claim 4 of the ’287 patent through
23 a combination of features which collectively practice each limitation of claim 4. By
24 way of example, the Accused Instrumentalities additionally feature a defined UI
25 object that is an input field for a chat.

26 161. Claim 5 of the ’287 patent recites a system for generating code to provide
27 content on a display of a device that includes all the elements of claim 1, additionally
28 the defined UI object is an input field for a web service.

1 162. The Accused Instrumentalities infringe claim 5 of the '287 patent through
 2 a combination of features which collectively practice each limitation of claim 1. By
 3 way of example, the Accused Instrumentalities additionally feature a defined UI
 4 object that is an input field for a web service.

5 163. Claim 11 of the '287 patent recites a system for generating code to
 6 provide content on a display of a device that includes all the elements of claim 1,
 7 additionally where the code is provided over the network.

8 164. The Accused Instrumentalities infringe claim 11 of the '287 patent
 9 through a combination of features which collectively practice each limitation of claim
 10 11. WordPress sends all files over a network using a variety of databases in its
 11 technology stack including MySQL. These backend capabilities provided the code
 12 over a network. By way of example, data from the wp_options table for the website
 13 header and from the wp_posts table for the "WordPress Info" web page are extracted
 14 directly from the Bitnami WordPress server-side database using MySQL Workbench.
 15 The stored data in the wp_options table includes the website's url, the website's title
 16 (blogname), the website's tagline (blogdescription), and the active template (style
 17 sheet).

option_id	option_name	option_value
1	siteurl	http://localhost/wordpress
2	blogname	Express Mobile
3	blogdescription	SELECTED USERS OF WORDPRESS
44	template	the-fundamentals-of-graphic-design

18
 19
 20
 21
 22
 23
 24 The stored data in the wp_posts table for the "WordPress Info" web page includes
 25 information corresponding to user selected settings such as, for example, the color red
 26 ("#ff0000") for "manages 22%". Other user selections shown in stored database data
 27 below include, for ex-ample, the image filename for the image
 28

(<http://localhost/wordpress/wp-content/uploads/2013/03/icon21.png>), the image alignment (class="wp-image-24 aligncenter"), and a selected paragraph style (h3) for "Heading 3".

ID	post_content	post_title	post_type
23	<p>WordPress is used by over 14.7% of Alexa Internet's "top 1 million" websites and as of August, 2011, believe it or not, manages 22% of all new websites. WordPress is currently the most popular blogging system in use on the Web.</p> <p>&nbsp;</p> <p><p style="text-align: center;"></p></p> <p>&nbsp;</p> <p><h3>As of December 2011, WordPress version 3.0 had been downloaded over 65 million times.</h3></p> <p>&nbsp;</p>	WordPress Info	page

WordPress's HTML, CSS, Java, and JSON coding capabilities further are shown, for example, by <http://codex.wordpress.org/Templates>, <https://codex.wordpress.org/CSS>, <https://developer.wordpress.org/rest-api/> and https://codex.wordpress.org/Widgets_API).

165. Claim 12 of the '287 patent recites a system for generating code to provide content on a display of a device that includes all the elements of claim 1, additionally where the defined UI object corresponds to a widget.

166. The Accused Instrumentalities infringe claim 12 of the '287 patent through a combination of features which collectively practice each limitation of claim 1. By way of example, the Accused Instrumentalities' incorporation of WordPress includes widgets. (See, for example., https://codex.wordpress.org/Widgets_API.)

167. Claim 15 of the '287 patent recites a method of displaying content on a display of a device having a Player, where the Player is a device-dependent code, the

1 method comprising: defining a user interface (UI) object for presentation on the
2 display, where the UI object corresponds to a web component included in a registry of
3 one or more web components selected from a group consisting of an input of a web
4 service and an output of the web service, where each web component includes a
5 plurality of symbolic names of inputs and outputs associated with each web service,
6 and where the registry includes: a) symbolic names required for evoking one or more
7 web components each related to a set of inputs and outputs of the web service
8 obtainable over a network, where the symbolic names are character strings that do not
9 contain either a persistent address or pointer to an output value accessible to the web
10 service, and b) an address of the web service, and where each defined UI object is
11 either: 1) selected by a user of an authoring tool; 2) automatically selected by a system
12 as a preferred UI object corresponding to a symbolic name of the web component
13 selected by the user of the authoring tool.

14 168. The Accused Instrumentalities infringe claim 15 of the '287 patent
15 through a combination of features which collectively practice each limitation of claim
16 15. By way of example, the method is for displaying content on a display of a device
17 and the Accused Instrumentalities include a WordPress-compatible browser which
18 content as a WordPress webpage on a display of a device.

19 169. The Accused Instrumentalities feature a Player, where the Player is a
20 device-dependent code. The device has a Player (*see*, for example,
21 <https://codex.wordpress.org/CSS>, https://codex.wordpress.org/Using_Javascript,
22 <https://developer.wordpress.org/rest-api/>) in the form of a runtime player that is a
23 device dependent code. WordPress produces a device dependent file, which is
24 wrapped inside a runtime file. In order for a site to display on different devices
25 through a browser or through responsive capabilities, there is device dependent code.
26 (*See*, for example, [https://torquemag.io/2017/08/make-wordpress-website-mobile-](https://torquemag.io/2017/08/make-wordpress-website-mobile-friendly/)
27 [friendly/](https://wordpress.org/themes/ultra/); <https://wordpress.org/themes/ultra/>.)

28

1 170. The Accused Instrumentalities include defining a user interface (UI)
2 object for presentation on the display, where the defined UI object corresponds to a
3 web component included in the registry of one or more web components, where the
4 web component is selected from a group consisting of an input of a web service and
5 an output of the web service. WordPress defines a UI object for presentation on
6 display, where the UI object corresponds to a web component included in the non-
7 volatile computer memory selected from a group consisting of an input of a web
8 service and an output of the web service by JSON data formatting. (*See*, for example,
9 <https://developer.wordpress.org/rest-api/>, [https://developer.wordpress.org/rest-](https://developer.wordpress.org/rest-api/reference/)
10 [api/reference/](https://developer.wordpress.org/rest-api/reference/), https://codex.wordpress.org/WordPress_Widgets,
11 https://codex.wordpress.org/Plugin_API, and
12 https://codex.wordpress.org/Plugin_Resources.) JSON names are strings that only
13 represent the symbolic names that are bound both to a web service input and/or output
14 and to a UI object. All JSON names in the name/value pairs are character strings.
15 When the WordPress interface makes a UI element request a JSON request is sent to
16 the Server and a JSON data response is provided to the Interface. (*See*, for example,
17 <https://developer.wordpress.org/rest-api/>,
18 https://codex.wordpress.org/WordPress_Widgets,
19 https://codex.wordpress.org/Plugin_Resources,
20 https://codex.wordpress.org/Plugin_API.)

21 171. Each web component includes a plurality of symbolic names of inputs
22 and outputs associated with each web service. The plurality of symbolic names of
23 inputs and outputs associated with each web service is a feature of their JSON
24 formatting characteristics. Each symbolic name has an associated data format class
25 type corresponding to a subclass of UI objects that supports the data format type of the
26 symbolic name, and has a preferred UI object as demonstrated by the presence of
27 JSON formatting in conjunction with WordPress' WYSIWYG and widget
28 capabilities. (*See*, for example, <https://developer.wordpress.org/rest-api/>,

1 <https://developer.wordpress.org/rest-api/>,
2 https://codex.wordpress.org/WordPress_Widgets,
3 https://codex.wordpress.org/Plugin_API, and
4 https://codex.wordpress.org/Plugin_Resources.)

5 172. The registry includes: a) symbolic names required for evoking one or
6 more web components each related to a set of inputs and outputs of a web service
7 obtainable over a network, where the symbolic names are character strings that do not
8 contain either a persistent address or pointer to an output value accessible to the web
9 service. The registry and WordPress MySQL database contain symbolic names
10 required for evoking one or more web components each related to a set of inputs and
11 outputs of a web service obtainable over a network as demonstrated by the formatting
12 in conjunction with WordPress's WYSIWYG visual effects editor widget, and plugin
13 authoring tools. JSON names are strings that only represent the symbolic names that
14 are bound both to a web service input and/or output and to a UI object. All JSON
15 names in the name/value pairs are character strings. When the WordPress interface
16 makes a UI element request a JSON request is sent to the Server and a JSON data
17 response is provided to the Interface. (*See*, for example,

18 <https://developer.wordpress.org/rest-api/>,
19 https://codex.wordpress.org/WordPress_Widgets,
20 https://codex.wordpress.org/Plugin_Resources,
21 https://codex.wordpress.org/Plugin_API.)

22 173. The registry also includes b) an address of the web service. Because
23 WordPress contains web services, it contains the corresponding web addresses.
24 Because WordPress contains web services, both as a library of Widgets (*see*
25 https://codex.wordpress.org/Widgets_API) and Plug-ins (*see*
26 https://codex.wordpress.org/Plugin_API), it contains the corresponding addresses of
27 the web services. All web services are represented as a wsdl (Web Service
28 Description Language) and wsdl's have URLs to point to the internet location that

1 receives the web service's inputs and returns the web service's outputs (*see*
2 <https://www.soapui.org/soap-and-wsdl/working-with-wsdl.html>).

3 174. Each defined UI object is either: 1) selected by a user of an authoring
4 tool; or 2) automatically selected by the system as the preferred UI object
5 corresponding to the symbolic name of the web component selected by the user of the
6 authoring tool. WordPress's UI objects are automatically selected by the system as
7 the preferred UI object corresponding to the symbolic name of the web component
8 selected by the user of the authoring tool, i.e., a UI object selected by a user is
9 automatically selected. When a Widget is selected in the WordPress Widget selection
10 list steps 1 to 5 under "Displaying Widgets", the widget UI will automatically
11 displayed in the Web Page Sidebar. (*See*, for example,
12 https://codex.wordpress.org/WordPress_Widgets,
13 https://codex.wordpress.org/Plugin_Resources,
14 https://codex.wordpress.org/Plugin_API.)

15 175. The Accused Instrumentalities include selecting the symbolic name from
16 the web component (i.e. WordPress Widget or Plug-in) corresponding to the defined
17 UI object, where the selected symbolic name has an associated data format class type
18 corresponding to a subclass of UI objects that support the data format type of the
19 symbolic name and has the preferred UI object. WordPress accesses its memory to
20 select the symbolic name corresponding to the web component of the defined UI
21 object (as evidenced by JSON data formatting), associate the selected symbolic name
22 with the defined UI object (the JSON element corresponding to an element), where the
23 selected symbolic name is only available to UI objects that support the defined data
24 format associated with that symbolic name (the element associated with at JSON
25 string). (*See*, for example, <https://developer.wordpress.org/rest-api/>,
26 <https://developer.wordpress.org/rest-api/reference/>,
27 https://codex.wordpress.org/WordPress_Widgets,
28 https://codex.wordpress.org/Plugin_API, and

1 https://codex.wordpress.org/Plugin_Resources.) Additionally, the preferred UI object
2 is the selected UI object. JSON names are strings that only represent the symbolic
3 names that are bound both to a web service input and/or output and to a UI object. All
4 JSON names in the name/value pairs are character strings. When the WordPress
5 interface makes a UI element request a JSON request is sent to the Server and a JSON
6 data response is provided to the Interface. (*See*, for example,
7 <https://developer.wordpress.org/rest-api/>,
8 https://codex.wordpress.org/WordPress_Widgets,
9 https://codex.wordpress.org/Plugin_Resources,
10 https://codex.wordpress.org/Plugin_API.)

11 176. The Accused Instrumentalities include associating the selected symbolic
12 name with the defined UI object.

13 177. The Accused Instrumentalities include producing an Application
14 including the selected symbolic name of the defined UI object, where the Application
15 is a device-independent code. WordPress produces an Application included in the
16 symbolic name of the defined UI object. (*See*, for example,
17 <https://developer.wordpress.org/rest-api/>, [https://developer.wordpress.org/rest-](https://developer.wordpress.org/rest-api/reference/)
18 [api/reference/](https://developer.wordpress.org/rest-api/reference/), https://codex.wordpress.org/WordPress_Widgets,
19 https://codex.wordpress.org/Plugin_API, and
20 https://codex.wordpress.org/Plugin_Resources.)

21 178. The Accused Instrumentalities feature a system where the Application
22 and Player are provided to the device and executed on the device and when the user of
23 the device provides one or more input values associated with an input symbolic name
24 to an input of the defined UI object. Because the Accused Instrumentalities
25 incorporate a system that includes WordPress, when a user of the device provides one
26 or more input values associated with an input symbolic name, using JSON formatting
27 characteristics, to an input of the defined UI object, the device provides the user
28 provided one or more input values and corresponding input symbolic name, using

1 JSON formatting characteristics, to the web service. (*See*, for example,
2 <https://developer.wordpress.org/rest-api/>, <https://developer.wordpress.org/rest-api/reference/>,
3 https://codex.wordpress.org/Widgets_API,
4 https://codex.wordpress.org/Plugin_Resources, and
5 https://codex.wordpress.org/Plugin_API.)

6 179. The Accused Instrumentalities feature a system where the device
7 provides the user provided one or more input values and corresponding input
8 symbolic name to the web service. Because the Accused Instrumentalities incorporate
9 a system that includes WordPress, the web service utilizes the input symbolic name
10 and the user provided one or more input values for generating one or more output
11 values having an associated output symbolic name. The defined UI object output
12 value corresponds to the output symbolic name based on its JSON formatting
13 characteristics. (*See*, for example, <https://developer.wordpress.org/rest-api/>,
14 <https://developer.wordpress.org/rest-api/reference/>,
15 https://codex.wordpress.org/Widgets_API,
16 https://codex.wordpress.org/Plugin_Resources, and
17 https://codex.wordpress.org/Plugin_API.)

18 180. The Accused Instrumentalities feature a system where the web service
19 utilizes the input symbolic name and the user provided one or more input values for
20 generating one or more output values having an associated output symbolic name.
21 Because of the JSON formatting, the output values having an associated output
22 symbolic name. (*See*, for example, <https://developer.wordpress.org/rest-api/>,
23 <https://developer.wordpress.org/rest-api/reference/>,
24 https://codex.wordpress.org/Widgets_API,
25 https://codex.wordpress.org/Plugin_Resources, and
26 https://codex.wordpress.org/Plugin_API.)

27 181. The Accused Instrumentalities feature a system where the Player receives
28 the output symbolic name and corresponding one or more output values and provides

1 instructions for the display of the device to present an output value in the defined UI
2 object. The runtime player within WordPress receives the output name, output value,
3 and provides instructions for a display as shown by the fact that the defined UI object
4 are ultimately rendered. (See, for example, <https://developer.wordpress.org/rest-api/>,
5 <https://developer.wordpress.org/rest-api/reference/>,
6 https://codex.wordpress.org/Widgets_API,
7 https://codex.wordpress.org/Plugin_Resources, and
8 https://codex.wordpress.org/Plugin_API.)

9 182. The presence of the above referenced features is demonstrated, by way of
10 example, by reference to publicly available information. Regarding WordPress, *see*,
11 *e.g.*, <http://themeforest.net/category/wordpress>; <http://codex.wordpress.org/Templates>;
12 http://codex.wordpress.org/Template_Hierarchy;
13 http://codex.wordpress.org/Function_Reference/the_title;
14 http://codex.wordpress.org/Function_Reference/the_content;
15 <https://www.wpbeginner.com/glossary/database/>; <https://codex.wordpress.org/Pages>;
16 <http://codex.wordpress.org/Templates>;
17 http://codex.wordpress.org/Template_Tags/get_the_title; and
18 http://codex.wordpress.org/Query_Overview.

19 183. Claim 16 of the '287 patent recites a method of displaying content on a
20 display that includes all the elements of claim 15, additionally where the registry
21 includes definitions of input and output related to the web service.

22 184. The Accused Instrumentalities infringe claim 16 of the '287 patent
23 through a combination of features which collectively practice each limitation of claim
24 16. By way of example, the Accused Instrumentalities include definitions of input
25 and output related to a web service as based on their JSON formatting characteristics
26 and the defined UI object functionality. *See, e.g.*, <https://developer.wordpress.org/rest-api/>;
27 <https://developer.wordpress.org/rest-api/reference/>;
28 <https://developer.wordpress.org/rest-api/reference/posts/>

1 <https://developer.wordpress.org/rest-api/reference/posts/#schema-title>

2 https://codex.wordpress.org/Widgets_API;

3 https://codex.wordpress.org/Plugin_Resources; and

4 https://codex.wordpress.org/Plugin_API;

5 https://codex.wordpress.org/WordPress_Widgets.

6 185. Claim 17 of the '287 patent recites a method of displaying content on a
7 display that includes all the elements of claim 15, additionally where the web
8 component is a text chat, a video chat, an image, a slideshow, a video, or an RSS feed.

9 186. The Accused Instrumentalities infringe claim 17 of the '287 patent
10 through a combination of features which collectively practice each limitation of claim
11 17. By way of example, the Accused Instrumentalities feature web components
12 including web chat, Reuters RSS feed, Calendar image, and map image widgets.

13 187. Claim 18 of the '287 patent recites a method of displaying content on a
14 display that includes all the elements of claim 15, additionally where the defined UI
15 object is an input field for a chat.

16 188. The Accused Instrumentalities infringe claim 18 of the '287 patent
17 through a combination of features which collectively practice each limitation of claim
18 18. By way of example, the Accused Instrumentalities additionally feature an UI
19 object that is an input field for a chat.

20 189. Claim 19 of the '287 patent recites a method of displaying content on a
21 display that includes all the elements of claim 15, additionally where the UI object is
22 an input field for a web service.

23 190. The Accused Instrumentalities infringe claim 19 of the '287 patent
24 through a combination of features which collectively practice each limitation of claim
25 19. By way of example, the Accused Instrumentalities additionally feature a UI object
26 that is an input field for a web service.

27
28

1 191. Claim 25 of the '287 patent recites a method of displaying content on a
 2 display that includes all the elements of claim 15, additionally where the method
 3 includes providing the Application and Player over the network.

4 192. The Accused Instrumentalities infringe claim 25 of the '287 patent
 5 through a combination of features which collectively practice each limitation of claim
 6 25. WordPress sends all files over a network using a variety of databases in its
 7 technology stack including MySQL. These backend capabilities provided the code
 8 over a network. By way of example, data from the wp_options table for the website
 9 header and from the wp_posts table for the "WordPress Info" web page are extracted
 10 directly from the Bitnami WordPress server-side database using MySQL Workbench.
 11 The stored data in the wp_options table includes the website's url, the website's title
 12 (blogname), the website's tagline (blogdescription), and the active template (style
 13 sheet).

option_id	option_name	option_value
1	siteurl	http://localhost/wordpress
2	blogname	Express Mobile
3	blogdescription	SELECTED USERS OF WORDPRESS
44	template	the-fundamentals-of-graphic-design

14
 15
 16
 17
 18
 19 The stored data in the wp_posts table for the "WordPress Info" web page includes
 20 information corresponding to user selected settings such as, for example, the color red
 21 ("#ff0000") for "manages 22%". Other user selections shown in stored database data
 22 below include, for ex-ample, the image filename for the image
 23 (<http://localhost/wordpress/wp-content/uploads/2013/03/icon21.png>), the image
 24 alignment (class="wp-image-24 aligncenter"), and a selected paragraph style (h3) for
 25 "Heading 3".
 26
 27
 28

ID	post_content	post_title	post_type
23	<p>WordPress is used by over 14.7% of Alexa Internet's "top 1 million" websites and as of August, 2011, believe it or not, manages 22% of all new websites. WordPress is currently the most popular blogging system in use on the Web.</p> <p>&nbsp;</p> <p style="text-align: center;"><a ><="" ><img="" a><="" alt="icon2" class="wp-image-24 aligncenter" height="36" href="http://localhost/wordpress/wp-content/uploads/2013/03/icon21.png" p="" p><="" src="http://localhost/wordpress/wp-content/uploads/2013/03/icon21.png" width="136"> <p>&nbsp;</p> <p>As of December 2011, WordPress version 3.0 had been downloaded over 65 million times.</p> <p>&nbsp;</p> </p>	WordPress Info	page

WordPress's HTML, CSS, Java, and JSON coding capabilities further are shown, for example by <http://codex.wordpress.org/Templates>, <https://codex.wordpress.org/CSS>, <https://developer.wordpress.org/rest-api/> and https://codex.wordpress.org/Widgets_API.

193. Claim 26 of the '287 patent recites a method of displaying content on a display that includes all the elements of claim 15, additionally where the UI object corresponds to a widget.

194. The Accused Instrumentalities infringe claim 26 of the '287 patent through a combination of features which collectively practice each limitation of claim 26. By way of example, the Accused Instrumentalities employ WordPress which includes widgets. (See, for example., https://codex.wordpress.org/Widgets_API.)

195. Upon information and belief, these Accused Instrumentalities are used, marketed, provided to, and or used by or for each of Defendant's partners, clients, customers, and/or end users across the country and in this District.

196. In particular, Defendant's actions that aid and abet others such as its partners, customers, clients, and/or end users to infringe include advertising and

1 distributing the Accused Instrumentalities and providing instruction materials,
2 training, and services regarding the Accused Instrumentalities. *See, e.g.*,
3 <http://www.netlancers.com/services>. On information and belief, Defendant has
4 engaged in such actions with specific intent to cause infringement or with willful
5 blindness to the resulting infringement because Defendant has had actual knowledge
6 of the '287 patent and knowledge that its acts were inducing infringement of the '287
7 patent since at least the date IndiaNIC received notice that such activities infringed the
8 '287 patent.

9 197. Upon information and belief, Defendant is liable as a contributory
10 infringer of the '287 patent under 35 U.S.C. § 271(c) by offering to sell, selling and
11 importing into the United States website authoring tools to be especially made or
12 adapted for use in an infringement of the '287 patent. The Accused Instrumentalities
13 are a material component for use in practicing the '287 patent and are specifically
14 made and are not a staple article of commerce suitable for substantial non-infringing
15 use.

16 198. Defendant was made aware of the '287 patent and its infringement
17 thereof at least as early as the filing of this Complaint.

18 199. Since the date of the filing of this Complaint, Defendant's infringement
19 of the '287 patent has been willful.

20 200. Within the past six years, Plaintiff has not sold any product nor offered a
21 service within the scope of any claim of the '287 patent. In addition, prior to August
22 12, 2015, no license to the '287 patent had been granted.

23 201. Plaintiff has been harmed by Defendant's infringing activities.

24 **COUNT IV – INFRINGEMENT OF U.S. PATENT NO. 9,928,044**

25 202. The allegations set forth in the foregoing paragraphs 1 through 173 are
26 incorporated into this Fourth Claim for Relief.

27 203. The allegations set forth in the foregoing paragraphs 1 through 138 are
28 incorporated into this Fourth Claim for Relief.

1 204. On March 27, 2018, U.S. Patent No. 9,928,044 (“the ’044 patent”),
2 entitled “*Systems and Methods for Programming Mobile Devices*,” was duly and
3 legally issued by the United States Patent and Trademark Office. A true and correct
4 copy of the ’044 patent is attached as Exhibit G.

5 205. The inventions of the ’044 patent resolve technical problems related to
6 generating content on a display of a device, such as the display of a mobile device.
7 For example, the inventions feature a computer memory and an authoring tool or
8 Player configured to define a User Interface (“UI”) object for display on the device,
9 where the defined UI object corresponds to a web component and where each UI
10 object is either: 1) selected by a user or 2) automatically selected by the system as a
11 preferred UI object corresponding to a symbolic name of the web component.
12 Additionally, the computer memory and the authoring tool or Player are configured to
13 build an Application consisting of one or more web page views to provide for the
14 display of at least a portion of one or more of the web pages. These features are
15 exclusively implemented utilizing computer technology.

16 206. The claims of the ’044 patent do not merely recite the performance of
17 some business practice known from the pre-Internet world along with the requirement
18 to perform it on the Internet. Instead, the claims of the ’044 patent recite one or more
19 inventive concepts that are rooted in the computerized generation of content on a
20 display of a device, such as a mobile device, and overcome problems specifically
21 arising in the realm of computerized display content generation technologies.

22 207. The claims of the ’044 patent recite an invention that is not merely the
23 routine or conventional use of systems and methods for the computerized generation
24 of content on a display of a device. Instead, the invention describes systems for use
25 with devices with authoring tools or Players specific to each device and Applications
26 that are device independent.

27 208. The technology claimed in the ’044 patent does not preempt all ways for
28 the computerized generation of content on a display of a device, such as a mobile

1 device, nor preempt the use of all authoring tools or Players for the computerized
2 generation of content on a display of a device, such as a mobile devices, nor preempt
3 any other well-known or prior art technology.

4 209. Accordingly, each claim of the '044 patent recites a combination of
5 elements sufficient to ensure that the claim in practice amounts to significantly more
6 than a patent on an ineligible concept.

7 210. Plaintiff is the assignee and owner of the right, title and interest in and to
8 the '044 patent, including the right to assert all causes of action arising under the
9 patents and the right to any remedies for infringement of them.

10 211. Upon information and belief, Defendant has and continues to directly
11 infringe at least claims 1-5, 11, 12, 15-19, 25 and 26 of the '044 patent by a system
12 which includes a computer memory and an authoring tool or Player configured to
13 define a User Interface ("UI") object for display on the device, where the UI object
14 corresponds to a web component and where each UI object is either: 1) selected by a
15 user or 2) automatically selected by the system as a preferred UI object corresponding
16 to a symbolic name of the web component. Additionally, the computer memory and
17 the authoring tool or Player are configured to build an Application consisting of one or
18 more web page views to provide for the display of at least a portion of one or more of
19 the web pages (the "Accused Instrumentalities"). The Accused Instrumentalities
20 include platforms that enable the functionality described above and include but are not
21 limited to, for example, WordPress. *See, e.g.,*
22 <http://www.netlancers.com/portfolio/golden-key->.

23 212. In particular, claim 1 of the '044 patent recites a system for generating
24 code to provide content on a display of a device, the system comprising: computer
25 memory storing: a) symbolic names required for evoking one or more web
26 components each related to a set of inputs and outputs of a web service obtainable
27 over a network, where the symbolic names are character strings that do not contain
28 either a persistent address or pointer to an output value accessible to the web service,

1 where each symbolic name has an associated data format class type corresponding to a
2 subclass of User Interface (UI) objects that support the data format type of the
3 symbolic name, and where each symbolic name has a preferred UI object, and b) an
4 address of the web service; an authoring tool configured to: define a UI object for
5 presentation on the display, where the defined UI object corresponds to a web
6 component included in the computer memory selected from a group consisting of an
7 input of the web service and an output of the web service, where each defined UI
8 object is either: 1) selected by a user of the authoring tool; or 2) automatically selected
9 by the system as the preferred UI object corresponding to the symbolic name of the
10 web component selected by the user of the authoring tool, access the computer
11 memory to select the symbolic name corresponding to the web component of the
12 defined UI object, associate the selected symbolic name with the defined UI object,
13 where the selected symbolic name is only available to UI objects that support the
14 defined data format associated with that symbolic name, store information
15 representative of the defined UI object and related settings in a database; retrieve the
16 information representative of the one or more the UI object settings stored in the
17 database; and build an Application consisting of one or more web page views from at
18 least a portion of the database utilizing at least one Player, where the Player utilizes
19 information stored in the database to generate for the display of at least a portion of
20 the one or more web pages, wherein when the Application and Player are provided to
21 the device and executed on the device, and when the user of the device provides one
22 or more input values associated with an input symbolic name to an input of the
23 defined UI object, the device provides the user provided one or more input values and
24 corresponding input symbolic name to the web service, the web service utilizes the
25 input symbolic name and the user provided one or more input values for generating
26 one or more output values having an associated output symbolic name, and the Player
27 receives the output symbolic name and corresponding one or more output values and
28

1 provides instructions for the display of the device to present an output value in the
2 defined UI object.

3 213. The Accused Instrumentalities infringe claim 1 of the '044 patent through
4 a combination of features which collectively practice each limitation of claim 1. By
5 way of example, the Accused Instrumentalities feature a system for generating code to
6 provide content on a display of a device. The system includes a WordPress server,
7 which provides WordPress's WYSIWYG visual effects editor and a WordPress-
8 compatible browser. WordPress's WYSIWYG visual effects editor generates code,
9 such as JavaScript or HTML code for such as options for defining title, text, images,
10 videos and paragraph styles, while the browser displays the resulting content as a
11 WordPress webpage on a display of a device, such as a computer display.

12 214. For example, on information and belief, WordPress uses a variety of
13 databases in its technology stack including MySQL. Data from the wp_options table
14 for the website header and the data from the wp_posts table for the "WordPress Info"
15 web page extracted directly from the Bitnami WordPress server-side database using
16 MySQL Workbench. The stored data in the wp_options table includes the website's
17 url, the website's title (blogname), the website's tagline (blogdescription), and the
18 active template (style sheet).

option_id	option_name	option_value
1	siteurl	http://localhost/wordpress
2	blogname	Express Mobile
3	blogdescription	SELECTED USERS OF WORDPRESS
44	template	the-fundamentals-of-graphic-design

19
20
21
22
23
24
25 The stored data in the wp_posts table for the "WordPress Info" web page includes
26 information corresponding to user selected settings such as, for example, the color red
27 ("#ff0000") for "manages 22%". Other user selections shown in stored database data
28

1 below include, for ex-ample, the image filename for the image
 2 (<http://localhost/wordpress/wp-content/uploads/2013/03/icon21.png>), the image
 3 alignment (class="wp-image-24 aligncenter"), and a selected paragraph style (h3) for
 4 "Heading 3".

ID	post_content	post_title	post_type
23	<p>WordPress is used by over 14.7% of Alexa Internet's "top 1 million" websites and as of August, 2011, believe it or not, manages 22% of all new websites. WordPress is currently the most popular blogging system in use on the Web.</p> <p>&nbsp;</p> <p><p style="text-align: center;"></p></p> <p>&nbsp;</p> <p><h3>As of December 2011, WordPress version 3.0 had been downloaded over 65 million times.</h3></p> <p>&nbsp;</p>	WordPress Info	page

15 WordPress's HTML, CSS, Java, and JSON coding capabilities further are shown, e.g.,
 16 by <http://codex.wordpress.org/Templates>, <https://codex.wordpress.org/CSS>,
 17 <https://developer.wordpress.org/rest-api/>.

18
 19 215. The Accused Instrumentalities feature a computer memory provided by
 20 WordPress MySQL database functionality on the WordPress server. By way of
 21 example, WordPress utilizes JSON strings extensively as part of its API, which
 22 necessarily require servers and databases. (See, <https://developer.wordpress.org/rest-api/>.)
 23

24 216. The computer memory stores a) symbolic names required for evoking
 25 one or more web components each related to a set of inputs and outputs of a web
 26 service obtainable over a network, where the symbolic names are character strings that
 27 do not contain either a persistent address or pointer to an output value accessible to the
 28 web service. The WordPress MySQL database contains symbolic names required for

1 evoking one or more web components each related to a set of inputs and outputs of a
2 web service obtainable over a network as demonstrated by the formatting in
3 conjunction with WordPress's WYSIWYG visual effects editor, widget, and plugin
4 authoring tools. JSON names are strings that only represent the symbolic names that
5 are bound both to a web service input and/or output and to a UI object. All JSON
6 names in the name/value pairs are character strings. WordPress' WYSIWYG visual
7 effects editor includes elements for defining the layout for placement of the defined
8 UI objects. Widgets, plug-ins and other elements correspond to the defined UI objects
9 and are the product of the JSON formatting. (*See*, for example,
10 https://codex.wordpress.org/WordPress_Lessons#Template_Files,
11 https://codex.wordpress.org/WordPress_Widgets,
12 https://codex.wordpress.org/Plugin_Resources, and
13 https://codex.wordpress.org/Plugin_API.)

14 217. Furthermore, each symbolic name has an associated data format class
15 type corresponding to a subclass of UI objects that supports the data format type of the
16 symbolic name, and has a preferred UI object as demonstrated by the presence of
17 JSON formatting characteristics in conjunction with WordPress' WYSIWYG visual
18 effects editor and widget authoring tools. JSON names are strings that only represent
19 the symbolic names that are bound both to a web service input and/or output and to a
20 UI object. All JSON names in the name/value pairs are character strings. WordPress'
21 WYSIWYG visual effects editor includes elements for defining the layout for
22 placement of the defined UI objects. Widgets, plug-ins and other elements correspond
23 to the defined UI objects and are the product of the JSON formatting. (*See*, for
24 example, https://codex.wordpress.org/WordPress_Lessons#Template_Files,
25 https://codex.wordpress.org/WordPress_Widgets,
26 https://codex.wordpress.org/Plugin_Resources, and
27 https://codex.wordpress.org/Plugin_API.)

28

1 218. The computer memory also stores b) an address of the web service.
2 Because WordPress contains web services, it contains the corresponding addresses for
3 the web services. (See, for example, <https://developer.wordpress.org/rest-api/>,
4 https://codex.wordpress.org/WordPress_Widgets,
5 https://codex.wordpress.org/Plugin_Resources, and
6 https://codex.wordpress.org/Plugin_API.)

7 219. The Accused Instrumentalities feature an authoring tool in the form of
8 WordPress's WYSIWYG visual effects editor, widget, and plug-in authoring tools.
9 (See, for example, https://codex.wordpress.org/WordPress_Widgets,
10 https://codex.wordpress.org/Plugin_Resources,
11 https://codex.wordpress.org/Plugin_API.)

12 220. The authoring tool is configured to define a UI object for presentation on
13 the display, where the defined UI object corresponds to a web component included in
14 the computer memory selected from a group consisting of an input of the web service
15 and an output of the web service. WordPress's WYSIWYG visual effects editor and
16 widget authoring tools define the presence of a UI object for presentation on a display
17 and the defined UI object corresponds to a web component included in the computer
18 memory selected from a group consisting of an input of the web service and an output
19 of the web service.

20 221. Each defined UI object is either: 1) selected by a user of the authoring
21 tool; or 2) automatically selected by the system as the preferred UI object
22 corresponding to the symbolic name of the web component selected by the user of the
23 authoring tool. WordPress's UI objects are automatically selected by the system as
24 the preferred UI object corresponding to the symbolic name of the web component
25 selected by the user of the authoring tool, *i.e.*, a UI object selected by a user is
26 automatically selected. When a Widget is selected in the WordPress Widget selection
27 list (See https://codex.wordpress.org/WordPress_Widgets) steps 1 to 5 under
28 "Displaying Widgets", the widget UI will automatically displayed in the Web Page

1 Sidebar. (*See*, for example, https://codex.wordpress.org/WordPress_Widgets,
2 https://codex.wordpress.org/Plugin_Resources,
3 https://codex.wordpress.org/Plugin_API.)

4 222. The authoring tool is configured to access the computer memory to select
5 the symbolic name corresponding to the web component of the defined UI object
6 based on its JSON formatting characteristics.

7 223. The authoring tool is also configured to associate the selected symbolic
8 name with the defined UI object, i.e., the JSON formatted element, where the selected
9 symbolic name is only available to UI objects that support the defined data format
10 associated with the element associated with that symbolic name, i.e., JSON string.

11 JSON names are strings that only represent the symbolic names that are bound both to
12 a web service input and/or output and to a UI object. All JSON names in the
13 name/value pairs are character strings. When the WordPress Editor makes a UI
14 element request a JSON request is sent to the Server and a JSON data response is
15 provided to the Interface. (*See*, for example, <https://developer.wordpress.org/rest-api/>,
16 https://codex.wordpress.org/WordPress_Widgets,
17 https://codex.wordpress.org/Plugin_Resources,
18 https://codex.wordpress.org/Plugin_API.)

19 224. The authoring tool is configured to store information representative of the
20 defined UI object and related settings in a database. For example, WordPress's
21 computer memory is configured to store information representative of defined UI
22 objects. (*See*, for example, <https://developer.wordpress.org/rest-api/> and
23 https://codex.wordpress.org/Widgets_API.)

24 225. The authoring tool is also configured to retrieve the information
25 representative of the one or more the UI object settings stored in the database based on
26 the JSON strings. (*See*, for example, <https://developer.wordpress.org/rest-api/>,
27 <https://developer.wordpress.org/rest-api/reference/>,
28 https://codex.wordpress.org/Plugin_Resources,

1 https://codex.wordpress.org/Plugin_API, and

2 https://codex.wordpress.org/Widgets_API.)

3 226. The WordPress authoring tool is configured to build an Application
4 consisting of one or more web page views from at least a portion of the database
5 utilizing at least one Player, where the Player utilizes information stored in the
6 database to generate for the display of at least a portion of the one or more web pages.
7 WordPress builds an Application including the symbolic name of the defined UI
8 object. (See, for example, https://codex.wordpress.org/Widgets_API,
9 https://codex.wordpress.org/Plugin_Resources,
10 https://codex.wordpress.org/Plugin_API, <https://developer.wordpress.org/rest-api/>,
11 <https://developer.wordpress.org/rest-api/reference/>.) It is a feature of the Accused
12 Instrumentalities that WordPress also contains at least one Player in the form of a
13 runtime player, such that the Application and the Player are provided to the device and
14 executed on the device. (See, for example, <https://codex.wordpress.org/CSS>,
15 https://codex.wordpress.org/Using_Javascript; and
16 <https://developer.wordpress.org/rest-api/>.)

17 227. The Accused Instrumentalities feature a system where the Application
18 and Player are provided to the device and executed on the device.

19 228. When the user of the device provides one or more input values
20 associated with an input symbolic name to an input of the defined UI object the device
21 provides the user provided one or more input values and corresponding input
22 symbolic name to the web service. Because the Accused Instrumentalities incorporate
23 a system that includes WordPress, when a user of the device provides one or more
24 input values associated with an input symbolic name, using JSON formatting
25 characteristics, to an input of the defined UI object, the device provides the user
26 provided one or more input values and corresponding input symbolic name, using
27 JSON formatting characteristics, to the web service. (See, for example,
28 <https://developer.wordpress.org/rest-api/>, <https://developer.wordpress.org/rest->

1 api/reference/, https://codex.wordpress.org/Widgets_API,
2 https://codex.wordpress.org/Plugin_Resources, and
3 https://codex.wordpress.org/Plugin_API.)

4 229. The Accused Instrumentalities feature a system where the web service
5 utilizes the input symbolic name and the user provided one or more input values for
6 generating one or more output values having an associated output symbolic name.
7 Because of the JSON formatting, the output values having an associated output
8 symbolic name. (See, for example, <https://developer.wordpress.org/rest-api/>,
9 <https://developer.wordpress.org/rest-api/reference/>,
10 https://codex.wordpress.org/Widgets_API,
11 https://codex.wordpress.org/Plugin_Resources, and
12 https://codex.wordpress.org/Plugin_API.)

13 230. The Accused Instrumentalities feature a system where the Player receives
14 the output symbolic name and corresponding one or more output values and provides
15 instructions for the display of the device to present an output value in the defined UI
16 object. The runtime player within WordPress receives the output name, output value,
17 and provides instructions for a display as shown by the fact that the defined UI object
18 are ultimately rendered. (See, for example, <https://developer.wordpress.org/rest-api/>,
19 <https://developer.wordpress.org/rest-api/reference/>,
20 https://codex.wordpress.org/Widgets_API,
21 https://codex.wordpress.org/Plugin_Resources, and
22 https://codex.wordpress.org/Plugin_API.)

23 231. The presence of the above referenced features is demonstrated, by way of
24 example, by reference to publicly available information. Regarding WordPress, see,
25 e.g., <http://themeforest.net/category/wordpress>; <http://codex.wordpress.org/Templates>;
26 http://codex.wordpress.org/Template_Hierarchy;
27 http://codex.wordpress.org/Function_Reference/the_title;
28 http://codex.wordpress.org/Function_Reference/the_content;

1 <https://www.wpbeginner.com/glossary/database/>; <https://codex.wordpress.org/Pages>;
2 <http://codex.wordpress.org/Templates>;
3 http://codex.wordpress.org/Template_Tags/get_the_title; and
4 http://codex.wordpress.org/Query_Overview. .

5 232. Claim 2 of the '044 patent recites a system for generating code to provide
6 content on a display of a device that includes all the elements of claim 1, additionally
7 where the system stores information in a registry, and wherein the registry includes
8 definitions of input and output related to the web service.

9 233. The Accused Instrumentalities infringe claim 2 of the '044 patent through
10 a combination of features which collectively practice each limitation of claim 2. By
11 way of example, the registry includes definitions of input and output related to a web
12 service as evidenced by WordPress's JSON formatting characteristics of the defined
13 UI objects. (*See*, for example, <https://developer.wordpress.org/rest-api/>;
14 <https://developer.wordpress.org/rest-api/reference/>;
15 <https://developer.wordpress.org/rest-api/reference/posts/>
16 <https://developer.wordpress.org/rest-api/reference/posts/#schema-title>
17 https://codex.wordpress.org/Widgets_API;
18 https://codex.wordpress.org/Plugin_Resources; and
19 https://codex.wordpress.org/Plugin_API;
20 https://codex.wordpress.org/WordPress_Widgets.)

21 234. Claim 3 of the '044 patent recites a system for generating code to provide
22 content on a display of a device that includes all the elements of claim 1, additionally
23 where the web component is a text chat, a video chat, an image, a slideshow, a video,
24 or an RSS feed.

25 235. The Accused Instrumentalities infringe claim 3 of the '044 patent through
26 a combination of features which collectively practice each limitation of claim 3. By
27 way of example, the Accused Instrumentalities feature web components additionally
28 including web chat, Reuters RSS feed, Calendar image, and map image widgets.

1 236. Claim 4 of the '044 patent recites a system for generating code to provide
2 content on a display of a device that includes all the elements of claim 1, additionally
3 where the UI object is an input field for a chat.

4 237. The Accused Instrumentalities infringe claim 4 of the '044 patent through
5 a combination of features which collectively practice each limitation of claim 4. By
6 way of example, the Accused Instrumentalities additionally feature an UI object that
7 is an input field for a chat.

8 238. Claim 5 of the '044 patent recites a system for generating code to provide
9 content on a display of a device that includes all the elements of claim 1, additionally
10 where the system stores information in a registry, and wherein the registry includes
11 definitions of input and output related to the web service.

12 239. The Accused Instrumentalities infringe claim 5 of the '044 patent through
13 a combination of features which collectively practice each limitation of claim 5. By
14 way of example, the Accused Instrumentalities additionally feature a defined UI
15 object that is an input field for a web service.

16 240. Claim 11 of the '044 patent recites a system for generating code to
17 provide content on a display of a device that includes all the elements of claim 1,
18 additionally where the code is provided over the network.

19 241. The Accused Instrumentalities infringe claim 11 of the '044 patent
20 through a combination of features which collectively practice each limitation of claim
21 11. WordPress sends all files over a network using a variety of databases in its
22 technology stack including MySQL. These backend capabilities provided the code
23 over a network. By way of example, data from the wp_options table for the website
24 header and from the wp_posts table for the “WordPress Info” web page are extracted
25 directly from the Bitnami WordPress server-side database using MySQL Workbench.
26 The stored data in the wp_options table includes the website’s url, the website’s title
27
28

1 (blogname), the website's tagline (blogdescription), and the active template (style
2 sheet).

option_id	option_name	option_value
1	siteurl	http://localhost/wordpress
2	blogname	Express Mobile
3	blogdescription	SELECTED USERS OF WORDPRESS
44	template	the-fundamentals-of-graphic-design

9 The stored data in the wp_posts table for the "WordPress Info" web page includes
10 information corresponding to user selected settings such as, for example, the color red
11 ("#ff0000") for "manages 22%". Other user selections shown in stored database data
12 below include, for ex-ample, the image filename for the image
13 (<http://localhost/wordpress/wp-content/uploads/2013/03/icon21.png>), the image
14 alignment (class="wp-image-24 aligncenter"), and a selected paragraph style (h3) for
15 "Heading 3".

ID	post_content	post_title	post_type
23	<p>WordPress is used by over 14.7% of Alexa Internet's "top 1 million" websites and as of August, 2011, believe it or not, manages 22% of all new websites. WordPress is currently the most popular blogging system in use on the Web.</p> <p>&nbsp;</p> <p style="text-align: center;"></p></p> <p>&nbsp;</p> <p><h3>As of December 2011, WordPress version 3.0 had been downloaded over 65 million times.</h3></p> <p>&nbsp;</p>	WordPress Info	page

1 WordPress's HTML, CSS, Java, and JSON coding capabilities further are shown, for
2 example by http://codex.wordpress.org/Templates_, <https://codex.wordpress.org/CSS>,
3 <https://developer.wordpress.org/rest-api/> and
4 https://codex.wordpress.org/Widgets_API).

5 242. Claim 12 of the '287 patent recites a system for generating code to
6 provide content on a display of a device that includes all the elements of claim 1,
7 additionally where the defined UI object corresponds to a widget.

8 243. The Accused Instrumentalities infringe claim 12 of the '044 patent
9 through a combination of features which collectively practice each limitation of claim
10 12. By way of example, the Accused instrumentalities' WordPress includes widgets.
11 *See, e.g.*, <https://codex.wordpress.org/Widgets>.

12 244. The Accused Instrumentalities infringe claim 15 of the '044 patent
13 through a combination of features which collectively practice each limitation of claim
14 15. By way of example, the Accused Instrumentalities feature a method of displaying
15 content on a display of a device having a Player, in the form of a runtime player and a
16 non-volatile computer memory storing the WordPress MySQL database functionality
17 on the device. The non-volatile computer memory stores symbolic names required for
18 evoking one or more web components each related to a set of inputs and outputs of a
19 web service obtainable over a network, where the symbolic names are character
20 strings that do not contain either a persistent address or pointer to an output value
21 accessible to the web service. The WordPress MySQL database contains symbolic
22 names required for evoking one or more web components each related to a set of
23 inputs and outputs of a web service obtainable over a network as demonstrated by the
24 formatting in conjunction with WordPress's WYSIWYG visual effects editor, widget,
25 and plugin authoring tools.

26 245. Furthermore, each symbolic name has an associated data format class
27 type corresponding to a subclass of UI objects that supports the data format type of the
28 symbolic name, and has a preferred UI object as demonstrated by the presence of

1 JSON formatting in conjunction with WordPress' WYSIWYG visual effects editor
2 and widget authoring tools.

3 246. The computer memory also stores an address of the web service.
4 Because WordPress contains web services, both as a library of Widgets (*see*
5 https://codex.wordpress.org/Widgets_API) and Plug-ins (*see*
6 https://codex.wordpress.org/Plugin_API), it contains the corresponding addresses of
7 the web services. All web services are represented as a wsdl (Web Service
8 Description Language) and wsdl's have URLs to point to the internet location that
9 receives the web service's inputs and returns the web service's outputs (*see*
10 <https://www.soapui.org/soap-and-wsdl/working-with-wsdl.html>).

11 247. The Accused Instrumentalities include defining a UI object for
12 presentation on the display, where the UI object corresponds to a web component
13 included in the computer memory, where the web component is selected from a group
14 consisting of an input of a web service and an output of the web service. WordPress
15 defines a user interface object, *i.e.*, an element/UI component, for presentation on
16 display, where the UI object corresponds to a web component included in the non-
17 volatile computer memory selected from a group consisting of an input of a web
18 service and an output of the web service (as evidenced by JSON data formatting)..

19 248. Each defined UI object is either: 1) selected by a user of an authoring
20 tool; or 2) automatically selected by the system as the preferred UI object
21 corresponding to the symbolic name of the web component selected by the user of the
22 authoring tool. When a Widget is selected in the WordPress Widget selection list (See
23 https://codex.wordpress.org/WordPress_Widgets) steps 1 to 5 under "Displaying
24 Widgets", the widget UI will automatically displayed in the Web Page Sidebar.
25 WordPress contains an authoring tool in the form of the WYSIWYG visual effects
26 editor, widgets, and plug-in authoring tools.

27 249. The Accused Instrumentalities include selecting the symbolic name
28 corresponding to the web component (*i.e.* WordPress Widget or Plug-in) of the

1 defined UI object and associating the selected symbolic name with the defined UI
2 object, where the selected symbolic name is only available to UI objects that support
3 the defined data format associated with that symbolic name. WordPress accesses the
4 non-volatile memory to select the symbolic name corresponding to the web
5 component of the defined UI object (as evidenced by JSON data formatting), associate
6 the selected symbolic name with the defined UI object (the JSON element
7 corresponding to an element), where the selected symbolic name is only available to
8 UI objects that support the defined data format associated with that symbolic name
9 (the element associated with at JSON string).

10 250. The Accused Instrumentalities also include retrieving the information
11 representative of the one or more the UI object settings stored in the database based on
12 the JSON formatting characteristics.

13 251. The Accused Instrumentalities include building an Application consisting
14 of one or more web page views from at least a portion of the database utilizing the
15 Player, where the Player utilizes information stored in the database to generate for the
16 display of at least a portion of the one or more web pages. WordPress builds an
17 Application included in the symbolic name of the defined UI object.

18 252. With the Accused Instrumentalities when the Application and Player are
19 provided to the device and executed on the device when the Application and Player
20 are provided to the device and executed on the device, and when the user of the device
21 provides one or more input values associated with an input symbolic name to an input
22 of the defined UI object, 1) the device provides the user provided one or more input
23 values and corresponding input symbolic name to the web service, 2) the web service
24 utilizes the input symbolic name and the user provided one or more input values for
25 generating one or more output values having an associated output symbolic name, and
26 3) the Player receives the output symbolic name and corresponding one or more
27 output values and provides instructions for the display of the device to present an
28 output value in the defined UI object. For example, in WordPress, a user of a device

1 provides an input value associated with an input symbolic name to an input of a
2 defined UI object, such as utilizing an element, plug-in, or widget. The element, plug-
3 in, or widget is associated with symbolic name based on their JSON formatting
4 characteristics. 1) The element input value corresponds to the input symbolic name
5 based on its JSON formatting characteristics 2) The element/UI component output
6 value corresponds to the output symbolic name via JSON. 3) The runtime player
7 within WordPress receives the output name, output value, and provides instructions
8 for a display as shown by the fact that the defied UI object is displayed.

9 253. The presence of the above referenced features is demonstrated, by way of
10 example, by reference to publicly available information. Regarding WordPress, see,
11 e.g., <http://themeforest.net/category/wordpress>; <http://codex.wordpress.org/Templates>;
12 http://codex.wordpress.org/Template_Hierarchy;
13 http://codex.wordpress.org/Function_Reference/the_title;
14 http://codex.wordpress.org/Function_Reference/the_content;
15 <https://www.wpbeginner.com/glossary/database/>; <https://codex.wordpress.org/Pages1>
16 <http://codex.wordpress.org/Templates>;
17 http://codex.wordpress.org/Template_Tags/get_the_title; and
18 http://codex.wordpress.org/Query_Overview.

19 254. Claim 16 of the '044 patent recites a method of displaying content on a
20 display that includes all the elements of claim 15, additionally where the method
21 stores information in a registry, and the registry includes definitions of input and
22 output related to the web service.

23 255. The Accused Instrumentalities infringe claim 16 of the '044 patent
24 through a combination of features which collectively practice each limitation of claim
25 16. By way of example, the Accused Instrumentalities feature storing information in a
26 WordPress registry that includes definitions of input and output related to a web
27 service as evidenced by WordPress's JSON formatting characteristics and the UI
28 object functionality. See, e.g., <https://developer.wordpress.org/rest-api/>;

1 <https://developer.wordpress.org/rest-api/reference/>;
2 <https://developer.wordpress.org/rest-api/reference/posts/>
3 <https://developer.wordpress.org/rest-api/reference/posts/#schema-title>
4 https://codex.wordpress.org/Widgets_API;
5 https://codex.wordpress.org/Plugin_Resources; and
6 https://codex.wordpress.org/Plugin_API;
7 https://codex.wordpress.org/WordPress_Widgets.

8 256. Claim 17 of the '044 patent recites a method of displaying content on a
9 display that includes all the elements of claim 15, additionally where the method
10 additionally where the web component is a text chat, a video chat, an image, a
11 slideshow, a video, or an RSS feed.

12 257. The Accused Instrumentalities infringe claim 17 of the '044 patent
13 through a combination of features which collectively practice each limitation of claim
14 17. By way of example, the Accused Instrumentalities feature web components
15 additionally including web chat, Reuters RSS feed, Calendar image, and map image
16 widgets.

17 258. Claim 18 of the '044 patent recites a method of displaying content on a
18 display that includes all the elements of claim 15, additionally where the UI object is
19 an input field for a chat.

20 259. The Accused Instrumentalities infringe claim 18 of the '044 patent
21 through a combination of features which collectively practice each limitation of claim
22 18. By way of example, the Accused Instrumentalities additionally feature an UI
23 object that is an input field for a chat.

24 260. Claim 19 of the '044 patent recites a method of displaying content on a
25 display that includes all the elements of claim 15, additionally where the UI object is
26 an input field for a web service.

27 261. The Accused Instrumentalities infringe claim 19 of the '044 patent
28 through a combination of features which collectively practice each limitation of claim

1 19. By way of example, the Accused Instrumentalities additionally feature a UI object
2 that is an input field for a web service.

3 262. Claim 25 of the '044 patent recites a method of displaying content on a
4 display that includes all the elements of claim 15, additionally where the method
5 incudes providing the code over the network.

6 263. The Accused Instrumentalities infringe claim 25 of the '044 patent
7 through a combination of features which collectively practice each limitation of claim
8 25. By way of example, WordPress uses a variety of databases including MySQL.
9 These backend capabilities demonstrate that the code is provided to a user over a
10 network. See, e.g., <http://codex.wordpress.org/Templates>.

11 264. Claim 26 of the '044 patent recites a method of displaying content on a
12 display that includes all the elements of claim 15, additionally where the UI object
13 corresponds to a widget.

14 The Accused Instrumentalities infringe claim 26 of the '044 patent through a
15 combination of features which collectively practice each limitation of claim 26. By
16 way of example, the Accused Instrumentalities employ WordPress which includes
17 widgets. See, e.g., https://codex.wordpress.org/Widgets_API.

18 265. Upon information and belief, these Accused Instrumentalities are used,
19 marketed, provided to, and or used by or for each of Defendant's partners, clients,
20 customers, and/or end users across the country and in this District.

21 266. In particular, Defendant's actions that aid and abet others such as its
22 partners, customers, clients, and/or end users to infringe include advertising and
23 distributing the Accused Instrumentalities and providing instruction materials,
24 training, and services regarding the Accused Instrumentalities. See, e.g.,
25 <http://www.netlancers.com/services>. On information and belief, Defendant has
26 engaged in such actions with specific intent to cause infringement or with willful
27 blindness to the resulting infringement because Defendant has had actual knowledge
28 of the '044 patent and knowledge that its acts were inducing infringement of the '044

1 patent since at least the date IndiaNIC received notice that such activities infringed the
2 '044 patent.

3 267. Upon information and belief, Defendant is liable as a contributory
4 infringer of the '044 patent under 35 U.S.C. § 271(c) by offering to sell, selling and
5 importing into the United States website authoring tools to be especially made or
6 adapted for use in an infringement of the '044 patent. The Accused Instrumentalities
7 are a material component for use in practicing the '044 patent and are specifically
8 made and are not a staple article of commerce suitable for substantial non-infringing
9 use.

10 268. Defendant was made aware of the '044 patent and its infringement
11 thereof at least as early as the filing of this Complaint.

12 269. Since the date of the filing of this Complaint, Defendant's infringement
13 of the '044 patent has been willful.

14 270. Within the past six years, Plaintiff has not sold any product nor offered
15 a service within the scope of any claim of the '044 patent. In addition, prior to August
16 12, 2015, no license to the '044 patent had been granted.

17 271. Plaintiff has been harmed by Defendant's infringing activities.

18 **JURY DEMAND**

19 Pursuant to Rule 38 of the Federal Rules of Civil Procedure, Plaintiff demands
20 a trial by jury on all issues triable as such.

21 **PRAYER FOR RELIEF**

22 WHEREFORE, Plaintiff demands judgment for itself and against Defendant as
23 follows:

24 A. An adjudication that Defendant has infringed the '397, '168, '287, and
25 '044 patents;

26 B. An award of damages to be paid by Defendant adequate to compensate
27 Plaintiff for Defendant's past infringement of the '397, '168, '287, and '044 patents,
28 and any continuing or future infringement through the date such judgment is entered,

1 including interest, costs, expenses and an accounting of all infringing acts including,
2 but not limited to, those acts not presented at trial;

3 C. A declaration that this case is exceptional under 35 U.S.C. § 285, and an
4 award of Plaintiff's reasonable attorneys' fees; and

5 D. An award to Plaintiff of such further relief at law or in equity as the
6 Court deems just and proper.

7
8 Dated: June 12, 2019

By: /s/ Jeffrey Francis Craft
Jeffrey Francis Craft (SBN 147186)
jcraft@devlinlawfirm.com
DEVLIN LAW FIRM LLC
1731 Fox Springs Circle,
Newbury Park, CA 91320

11
12 *Attorneys for Plaintiff Express Mobile, Inc.*