Case 2	2:19-cv-10602-AB-MRW	Document 31	Filed 05/13/20	Page 1 of 19	Page ID #:358	
1 2 3 4 5 6 7 8 9	Nathaniel L. Dilger (Ba Email: ndilger@onellp. ONE LLP 4000 MacArthur Boule East Tower, Suite 500 Newport Beach, CA 92 Telephone: (949) 502- Facsimile: (949) 258- John E. Lord (Bar No. 2 Email: jlord@onellp.co ONE LLP 9301 Wilshire Bouleva Penthouse Suite Beverly Hills, CA 9266 Telephone: (310) 866- Facsimile: (310) 943-	com vard 660 2870 5081 216111) m rd 50 5157)			
10	Attorneys for Plaintiff, THROOP, LLC					
11		NITED STAT	TES DISTRIC	T COURT		
12	CE	NTRAL DIST	FRICT OF CA	LIFORNIA		
13		WEST	ERN DIVISIO	DN		
14						
15	THROOP, LLC, a Calif liability company,	fornia limited	Case No Hon. Ar	o. 2:19-cv-106 ndre Birotte Jr	02-AB-MRW	
16	Plaintiff,		FIRST	FIRST AMENDED COMPLAINT		
17	V.			FOR PATENT INFRINGEMENT		
18 19	GOOGLE LLC, a Delaware limited		DEMA	ND FOR JUF	RY TRIAL	
20	liability company, Defendant					
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Plaintiff Throop, LLC ("Throop" or "Plaintiff") hereby alleges for its First 1 2 Amended Complaint for Patent Infringement against Google LLC ("Google or 3 Defendant") the following: I. **NATURE OF THE ACTION** 4 5 1. This is an action for patent infringement of United States Patent Nos. 7,035,897 (the "'897 Patent") and 9,479,726 (the "'726 Patent") (collectively, the 6 "Patents-in-Suit") arising under the Patent Laws of the United States, 35 U.S.C. § 1, 7 et seq., seeking damages and other relief under 35 U.S.C. § 281, et seq. 8 II. THE PARTIES 9 10 2. Throop is a California limited liability company having a principal 11 place of business at 3580 Wilshire Blvd., Ste. 1460, Los Angeles, CA 90010. 12 3. Defendant Google LLC is a limited liability company organized under the laws of Delaware with its principal place of business located at 1600 13 Amphitheatre Parkway, Mountain View, CA 94043. Google's registered agent for 14 15 Service of Process is located at Corporation Service Company, d/b/a CSC, 2710 Gateway Oaks Drive, Suite 150N, Sacramento, CA 95833. 16 JURISDICTION AND VENUE 17 III. 4. This is an action for patent infringement arising under the provisions of 18 the Patent Laws of the United States of America, Title 35, United States Code. 19 5. This Court has subject matter jurisdiction over Throop's claims under 20 21 28 U.S.C. §§ 1331 and 1338(a). 22 6. This Court has personal jurisdiction over Defendant in this action because Defendant has committed acts within the Central District of California 23 24 giving rise to this action and has established minimum contacts with this forum such that the exercise of jurisdiction over the Defendant would not offend traditional 25 notions of fair play and substantial justice. The Defendant, directly and through 26 subsidiaries or intermediaries, has committed and continues to commit acts of 27 28 FIRST AMENDED COMPLAINT

infringement in this District by, among other things, offering to sell and selling
 products and/or services that infringe the asserted patents.

7. Venue is proper in this judicial district pursuant to 28 U.S.C. § 1391(b),
(c) and/or 28 U.S.C. § 1400(b). Defendant transacts business within this District
and offers for sale in this District products that infringe the Patents-in-Suit.
Defendant is registered to do business in California. Defendant has a regular and
established place of business in Central District of California. For example,
Defendant has offices located at 340 Main Street, Venice, California 90291.

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IV. THROOP'S PATENT-IN-SUIT

8. On April 25, 2006, the '897 Patent, entitled "Wireless Augmented
 Reality Communication System," was duly and legally issued by the United States
 Patent and Trademark Office. A true and correct copy of the '897 Patent is attached
 as Exhibit A.

9. On October 25, 2006, the '726 Patent, entitled "Wireless Augmented
Reality Communication System," was duly and legally issued by the United States
Patent and Trademark Office. A true and correct copy of the '726 Patent is attached
as Exhibit B.

18 10. The inventors listed on the Patents-in-Suit were all engineers who
19 worked at NASA's Jet Propulsion Laboratory. Founded by Caltech faculty, NASA's
20 Jet Propulsion Laboratory is the leading U.S. center for the robotic exploration of
21 the solar system.

11. The '897 Patent has been cited by twenty-four issued United States
patents as relevant prior art.

12. Throop is the owner of the Patents-in-Suit asserted in this action and
has the exclusive right to sue and collect remedies for past, present, and future
infringement of the Patents-in-Suit.

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FIRST AMENDED COMPLAINT

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V. ACCUSED PRODUCTS AND/OR SERVICES

Defendant manufactures, provides, uses, sells, offers for sale, imports,
 and/or distributes infringing services for wearable devices, including, for example,
 Google Glass (including Google Enterprise Edition and Google Enterprise Edition
 (collectively, "Accused Products and/or Services").

6 14. The Accused Products and/or Services offer the benefits of Plaintiff's
7 technology by, for example, incorporating a highly integrated radio communication
8 system allowing for true two-way multimedia access via a wearable device.

9 15. Defendant has had knowledge of the Patents-in-Suit and its
10 infringement since at least the filing of the Original Complaint in this action, or
11 shortly thereafter, including by way of this lawsuit.

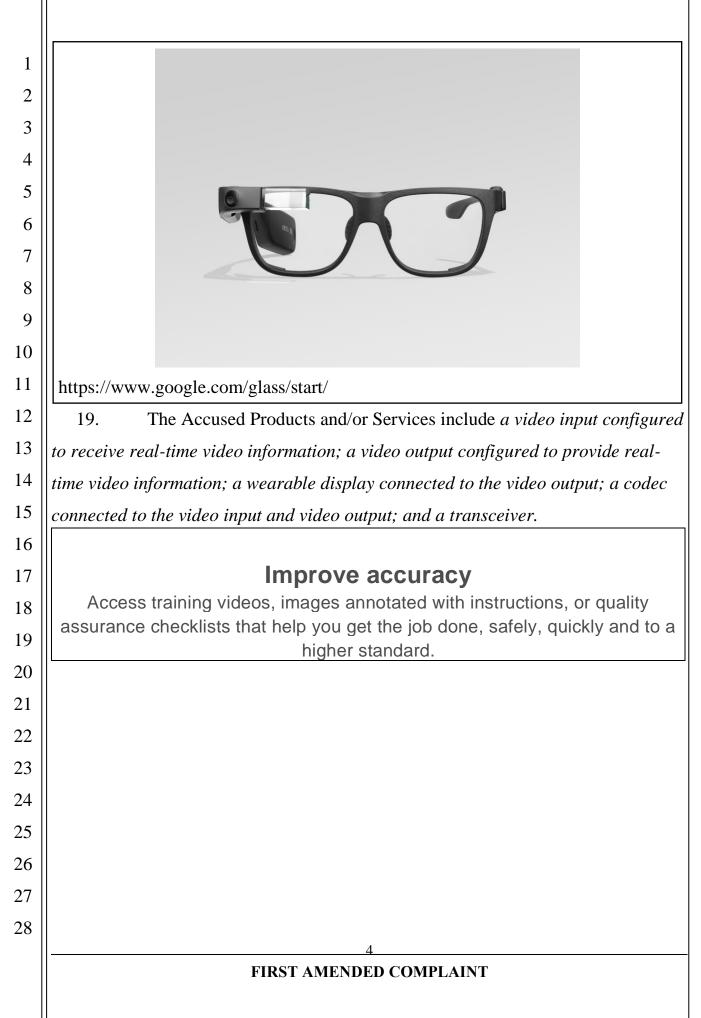
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COUNT I: INFRINGEMENT OF U.S. PATENT NO. 7,035,897

13 16. Throop reasserts and incorporates herein by reference the allegations of14 all preceding paragraphs of this Complaint as if fully set forth herein.

15 17. Defendant has infringed and continues to infringe at least claim 1 and
one or more of its dependents of the '897 Patent under 35 U.S.C. § 271(a), literally
or under the doctrine of equivalents, by making, using, selling, and/or offering for
sale in the United States, and/or importing into the United States, the Accused
Products and/or Services.

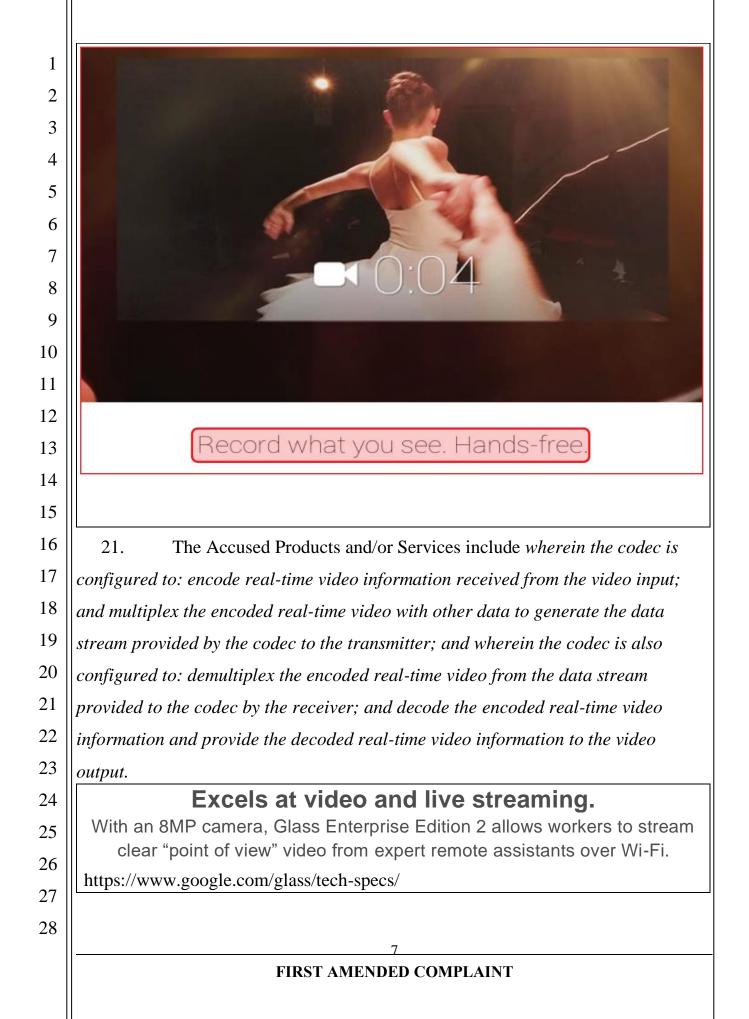
18. For example, the Accused Products and/or Services meet all of the
claim limitations of claim 1 of the '897 Patent, as set forth below with claim
language in italics. To the extent the preamble is limiting, the Accused Products
and/or Services include [a] mobile access unit for use in a localized *communications system.*

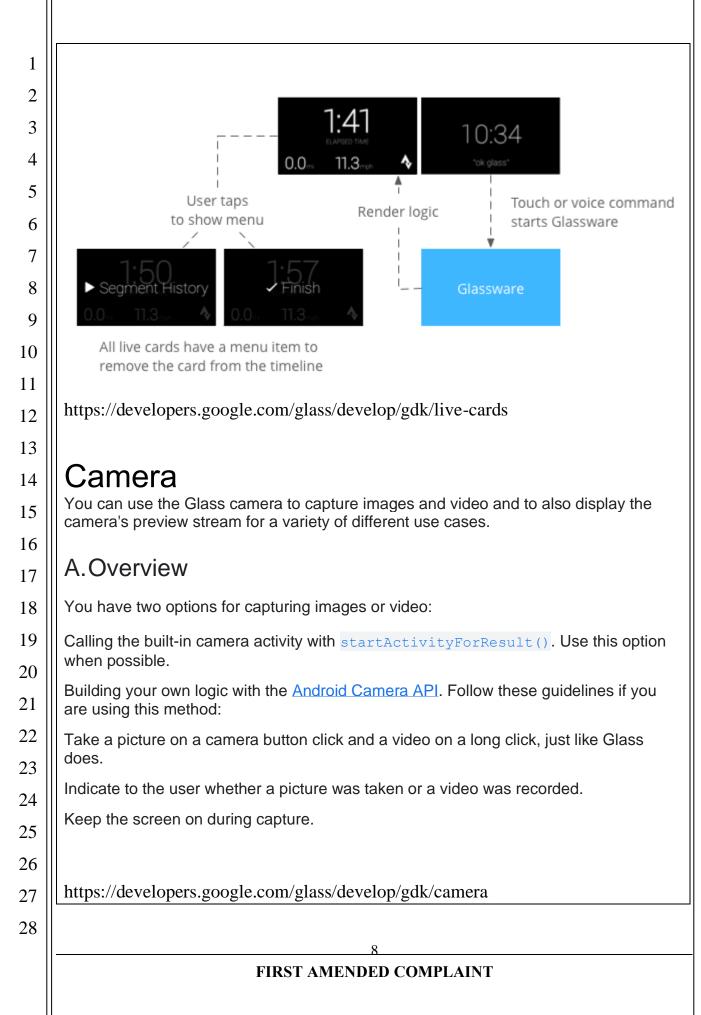




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1	20. The Accused Products and/or Services include <i>a transmitter connected</i>					
2	to the codec that is configured to transmit a data stream provided by the codec over					
3	an upstream wireless communication link; and a receiver connected to the codec					
4	that is configured to receive a data stream transmitted over a downstream wireless					
5	communication link, which includes encoded real-time video.					
6	DHL is seeing similar results. DHL's employees have a supply chain					
7	process called "order picking" where they fulfill orders by scanning items					
8	from racks before moving them into totes or bins on carts to be shipped.					
9	Using a solution from Ubimax with Glass, they now receive real-time					
10	instructions about where items have to be placed on the carts with the help					
11	of visual aids. With their hands now free of paper instructions, pickers can					
12	work far more efficiently and comfortably, and DHL estimates that they					
13	have increased supply chain efficiency by 15%.					
14	https://blog.x.company/a-new-chapter-for-glass-c7875d40bf24					
15						
16	Wi-Fi					
17	802.11ac, dual-band, single antenna					
18	Bluetooh					
19	Bluetooth 5.x AoA					
20						
21	All public videos are streamed and not attached to timeline items.					
22	Video aspect ratio is 16:9.					
23	Video resolution is 640 × 360 pixels.					
24	H.264 format					
25	https://developers.google.com/glass/distribute/best-practices					
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	FIRST AMENDED COMPLAINT					





2 Defendant has committed acts of infringement without license or
 authorization. Defendant knew or should have known that its actions would cause
 direct and indirect infringement of the '897 Patent.

Defendant is also liable under 35 U.S.C. § 271(b) for actively inducing 23. 4 infringement and continuing to actively induce infringement. Defendant actively 5 6 induces and continues to induce its customers, distributors, end-users, vendors including customer-support and/or manufacturers to infringe the '897 Patent. On 7 8 information and belief, Defendant possessed a specific intent to induce infringement, and in fact did induce infringement, by engaging in affirmative acts 9 such as by selling and causing the Accused Products and/or Services to be 10 11 manufactured, by providing user guides, installation or instruction manuals, and other training materials, by advertising and solicitation and otherwise providing 12 13 sales-related materials, and by instructing and/or demonstrating to customers, distributers, end-users, vendors including customer-support and/or manufacturers 14 15 the normal operation of the Accused Products and/or Services that infringe the '897 Patent. Defendant is aware and/or willfully blind that these affirmative acts infringe 16 17 and/or would induce infringement of the '897 Patent, of which it had knowledge.

Defendant is also liable under 35 U.S.C. § 271(c) for contributing to 24. 18 and continuing to contribute to the infringement of the '897 Patent by, among other 19 things, providing a mobile access unit for use in a localized communications system 20 in its Accused Products and/or Services and by encouraging, at a minimum, 21 22 customers, distributors, end-users, vendors including customer-support and/or manufacturers in this District and elsewhere, to infringe the '897 Patent. By 23 24 importing, exporting, manufacturing, distributing, selling, and/or providing the 25 Accused Products and/or Services for their intended use to customers, distributors, end-users, vendors including customer-support and/or manufacturers, Defendant 26 27 has, in the past and continue to contribute to the infringement of one or more claims 28 of the '897 Patent. The Accused Products and/or Services are material to the

inventions claimed in the '897 Patent, has no substantial non-infringing uses, and
 are known by Defendant (on information and belief) to be especially made or
 especially adapted for use in infringing the '897 Patent, and which are otherwise not
 staple articles of commerce suitable for substantial non-infringing use. Defendant
 are aware and/or willfully blind that these affirmative acts infringe and/or constitute
 contributory infringement of the '897 Patent, of which it had knowledge.

25. Defendant is liable for indirect infringement, i.e., both inducement and 7 contributory infringement, based on the direct infringement that is the result of 8 9 activities performed by customers, distributors, end-users, vendors including 10 customer-support and/or manufacturers who use all elements or perform all steps of one or more claims of the '897 Patent. For example, end users of Defendant's 11 Accused Products and/or Services infringe, either directly or under the doctrine of 12 equivalents, one or more claims of the '897 Patent (e.g., claim 1 and one or more of 13 its dependents). At a minimum, Defendant is liable for the indirect infringement of 14 15 claim 1 and one or more of its dependents of the '897 Patent.

16 26. Plaintiff has been damaged as a result of Defendant's infringing
17 conduct. Defendant is, thus, liable to Plaintiff in an amount that adequately
18 compensates Plaintiff for Defendant's infringement, which, by law, cannot be less
19 than a reasonable royalty, together with interest and costs as fixed by this Court
20 under 35 U.S.C. § 284.

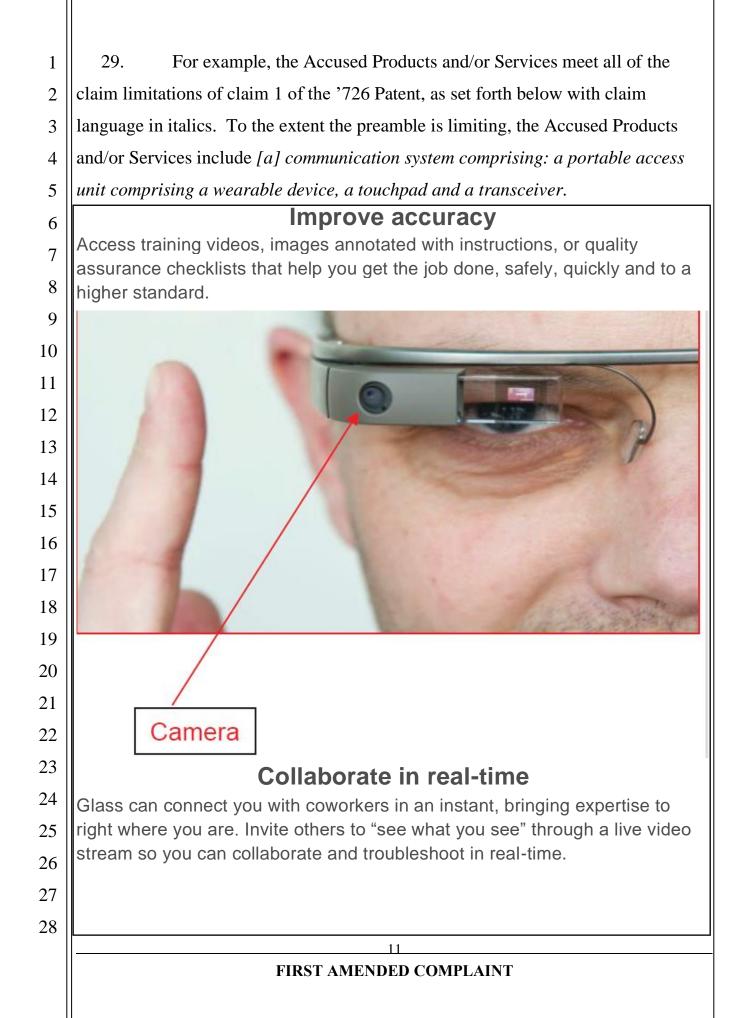
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COUNT II: INFRINGEMENT OF U.S. PATENT NO. 9,479,726

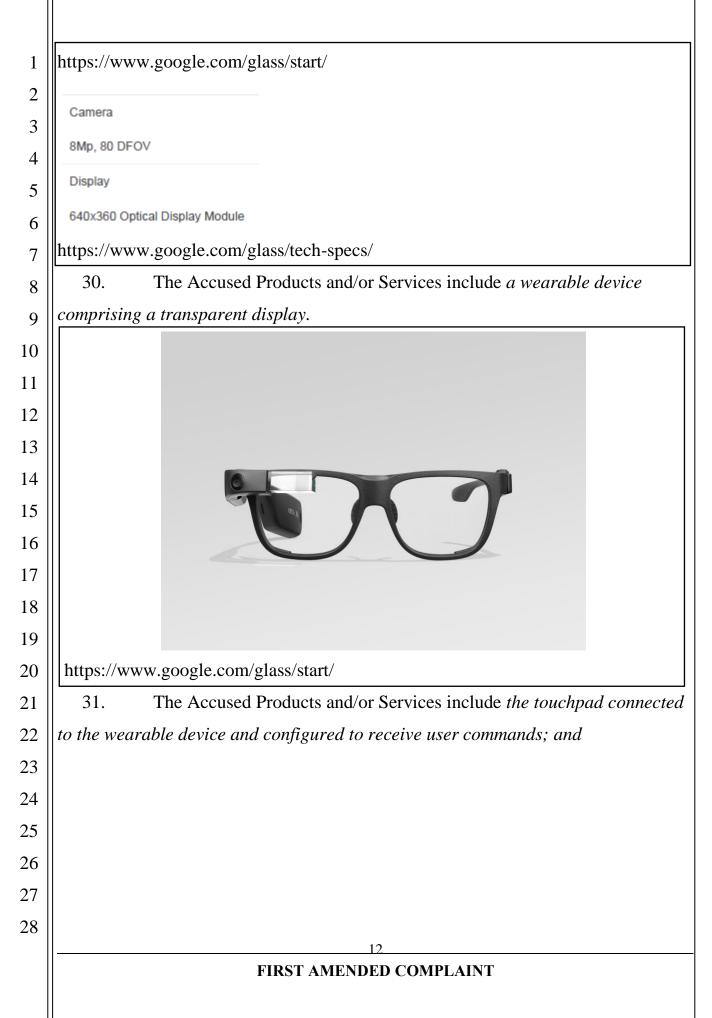
22 27. Throop reasserts and incorporates herein by reference the allegations of
23 all preceding paragraphs of this Complaint as if fully set forth herein.

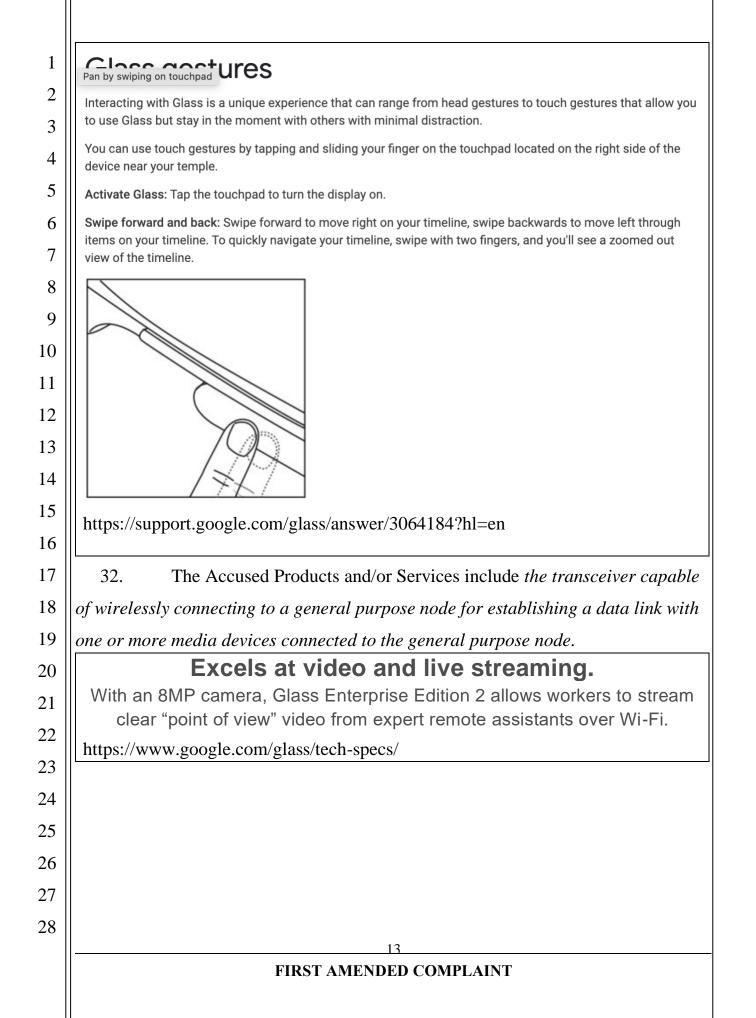
24 28. Defendant has infringed and continues to infringe at least claim 1, and
25 one or more of its dependents of the '726 Patent under 35 U.S.C. § 271(a), literally
26 or under the doctrine of equivalents, by making, using, selling, and/or offering for
27 sale in the United States, and/or importing into the United States, the Accused
28 Products and/or Services.

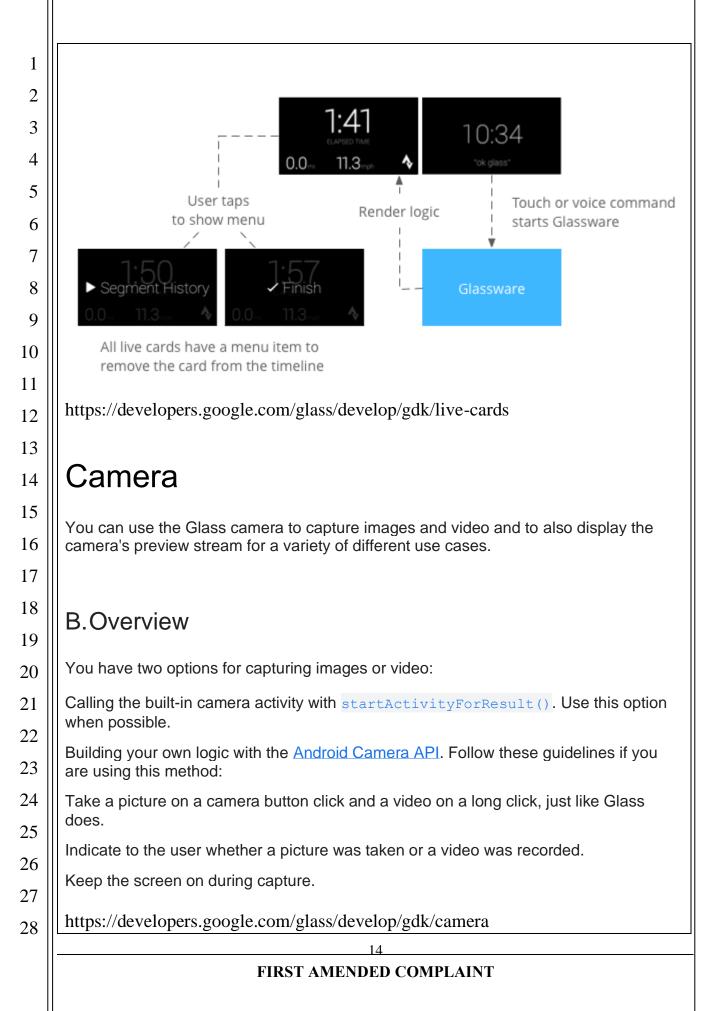
FIRST AMENDED COMPLAINT



Case 2:19-cv-10602-AB-MRW Document 31 Filed 05/13/20 Page 13 of 19 Page ID #:370







33. The Accused Products and/or Services include, to the extent the 1 2 wherein clause is limiting, the following claim element: wherein subsequent to connecting to the general purpose node, the portable access unit is configured to 3 display on the transparent display a list of one or more media devices that are 4 5 connected to the general purpose node. 6 Pairing Glass to your Bluetooth phone 7 For a great on-the-go Glass experience, it's essential to pair Glass to your phone or tablet. You'll need the MyGlass 8 app 🗹 from the Google Play Store to make full use of Glass's Bluetooth capabilities 9 On your Glass 10 1. Using Glass, from the Home screen, swipe back repeatedly until you see the Settings card. 11 2. Tap the Settings card and then swipe forward until you see Bluetooth settings. Swipe to find your phone type, either Android or iPhone, and select it to watch the tutorial. 12 13 https://support.google.com/glass/answer/3064189?hl=en 14 34. The Accused Products and/or Services include, to the extent the 15 wherein clause is limiting, the following claim element: wherein the portable access unit is configured to receive, at the touchpad, a first user command for selecting a 16 first media device from the list to establish a data link with the first media device via 17 18 the general purpose node. 19 2021 22 23 24 Tap on the Glass touchpad and tap pair on 25 your phone to finish pairing. 26 27 0:36 / 0:45 CC 1 YouTube [] 28 https://support.google.com/glass/answer/3064189?hl=en 15 FIRST AMENDED COMPLAINT

35. The Accused Products and/or Services include, to the extent the 1 2 wherein clause is limiting, the following claim element: wherein subsequent to establishing the data link with the first media device, the portable access unit is 3 configured to display a multimedia content on the transparent display. 4 5 Your Glass and phone are now connected via Bluetooth. You'll be able to handle phone calls, receive email 6 notifications and SMS messages sent to your phone, and get directions via Glass. If your mobile data plan supports tethering, Glass will use its Bluetooth data tethering connection when out of Wi-Fi range. 7 8 https://support.google.com/glass/answer/3064189?hl=en 9 36. Defendant has committed acts of infringement without license or 10 authorization. Defendant knew or should have known that its actions would cause 11 direct infringement of the '726 Patent. 12 37. Plaintiff has been damaged as a result of Defendant's infringing 13 conduct. Defendant is, thus, liable to Plaintiff in an amount that adequately 14 compensates Plaintiff for Defendant's infringement, which, by law, cannot be less 15 than a reasonable royalty, together with interest and costs as fixed by this Court 16 under 35 U.S.C. § 284. 17 **PRAYER FOR RELIEF** 18 WHEREFORE, Plaintiff respectfully requests the following relief: 19 A judgment that Defendant has infringed the Patents-in-Suit; a) 20 An award of damages adequate to compensate for Defendant's 21 b) infringement of the Patents-in-Suit, and in no event less than a reasonable royalty 22 for Defendant's acts of infringement, including all pre-judgment and post-judgment 23 24 interest at the maximum rate permitted by law; A declaration that this case is exceptional under 35 U.S.C. § 285; and 25 c) An award of Plaintiff's costs and attorney's fees under 35 U.S.C. § 285 26 d) and other applicable law; and any other remedy to which Plaintiff may be entitled. 27 28 FIRST AMENDED COMPLAINT

1	Dated: May 13, 2020	ONE LLP
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3 4		By: <u>/s/Nathaniel L. Dilger</u> Nathaniel L. Dilger John E. Lord
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6		Attorneys for Plaintiff, Throop, LLC
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	FIRST AMI	ENDED COMPLAINT

Case 2	19-cv-10602-AB-MRW	Document 31	Filed 05/13/20	Page 19 of 19	Page ID #:376					
1	DEMAND FOR JURY TRIAL									
2	Throop demands trial by jury on all claims and issues so triable.									
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4	Dated: May 13, 2020		ONE LLP							
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6				<i>aniel L. Dilger</i> el L. Dilger						
7			John E.							
8			Attorney	s for Plaintiff,						
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