

**IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF ILLINOIS
EASTERN DIVISION**

<p>Sockeye Licensing TX LLC,</p> <p>Plaintiff,</p> <p>v.</p> <p>E & S International Enterprises, Inc. and Walmart Inc.;</p> <p>Defendants.</p>	<p>Case No. _____</p> <p>Patent Case</p> <p>Jury Trial Demanded</p>
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FIRST AMENDED COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff Sockeye Licensing TX LLC (“Sockeye”), through its attorney, Isaac Rabicoff, complains against Defendant E & S International Enterprises, Inc. and Walmart Inc. (collectively “Defendants”) and alleges the following:

PARTIES

1. Plaintiff Sockeye Licensing TX LLC is a limited liability company organized and existing under the laws of Texas with its principal place of business at 320 Wilmette Avenue, Glenview, IL 60025.

2. Defendant E & S International Enterprises, Inc. is a California corporation with its principal place of business at 7801 Hayvenhurst Ave., Van Nuys, CA 91406, and distributes products to Walmart retail stores and Walmart.com in Illinois and nationwide. Additionally, some of the products that E & S International Inc. distributes are manufactured by Shenzhen MTC Co., Ltd. Defendant can be served with process through its registered agent Tony Aguilera, 7801 Hayvenhurst Avenue, Van Nuys, CA 91406.

3. Defendant Walmart Inc. is a Delaware corporation with its principal place of business at 702 S.W. 8th St. Bentonville, Arkansas, AK 72716, and, like E & S International Inc,

some of the products that Walmart Inc. distributes are manufactured by Shenzhen MTC Co., Ltd. Defendant can be served with process through its registered agent The Corporation Trust Company at 1209 Orange St, Wilmington, DE 19801. Walmart Inc. has an established places of business in this District, including at 4650 W North Ave, Chicago, IL 60639.

JURISDICTION

4. This is an action for patent infringement arising under the patent laws of the United States, Title 35 of the United States Code.

5. This Court has exclusive subject matter jurisdiction under 28 U.S.C. §§ 1331 and 1338(a).

6. This Court has personal jurisdiction over Defendant because it has engaged in systematic and continuous business activities in the Northern District of Illinois. Specifically, Defendant provides its full range of services to residents in this District. As described below, Defendant has committed acts of patent infringement giving rise to this action within this District.

VENUE

7. Venue is proper in this District under 28 U.S.C. § 1400(b) because Defendant has sold infringing products in this District, and has an established place of business in this District. In addition, Sockeye has suffered harm in this District.

PATENTS-IN-SUIT

8. Sockeye is the assignee of all right, title, and interest in United States Patent Nos. 9,547,981 (the “981 Patent”) and 8,135,342 (the “342 Patent”) (collectively, the “Patents-in-Suit”), including all rights to enforce and prosecute actions for infringement and to collect damages for all relevant times against infringers of the Patents-in-Suit. Accordingly, Sockeye

possesses the exclusive right and standing to prosecute the present action for infringement of the Patents-in-Suit by Defendant.

9. On January 17, 2017, the United States Patent and Trademark Office issued the '981 Patent. The '981 Patent is titled "System, Method and Apparatus for Using a Wireless Device to Control Other Devices." The application leading to the '981 Patent was filed on November 3, 2014, which is a continuation of U.S. Application No. 13/418,829; which was filed on March 13, 2012; which is a divisional application of U.S. Application No. 11/898,912, now the '342 Patent, which was filed on September 17, 2007; which claims priority from provisional application number 60/844,645, which was filed on September 15, 2006. A true and correct copy of the '981 Patent is attached hereto as Exhibit A and incorporated herein by reference. A true and correct copy of the parent patent, the '342 Patent, is attached hereto as Exhibit B and incorporated herein by reference.

10. Prior to the filing of the applications that matured into the '981 patent and its parent '342 patent in 2006, state of the art cell phone designs emphasized their use as standalone devices. In the industry it was widely expected that, as the multimedia capabilities of the cell phone became richer, the cell phone itself would serve as a multimedia player and alternative to traditional modes of viewing video, such as via television screens. Accordingly, cell phone manufacturers at the time of filing focused on developing the "onboard" capabilities of their products, rather than adapting them to connect with and control a higher resolution device. Thus, for example, the Nokia N92 mobile device announced in 2005 was marketed as a phone for watching TV. The Nokia N92, while capable of playing "mobile TV," was designed as an alternate platform for watching television, and it operated as a standalone device, wholly-independent of television sets of the period. The '981 patent went further. In contrast to the

standalone approach of the Nokia N92, the '981 patent taught particular methods by which the cell phone could connect with and control a higher resolution display device, streaming video thereto. The state-of-the-art cell phones of the day were not equipped to operate in this way, nor was this their goal. Indeed, as Nokia stated at the time, the “Nokia N92 offers easy access to TV programs *without* having to sit in front of a television set.” Exhibit C. Notably, so-called “[t]hird generation mobile phones” or “3G mobiles” which were capable of “multi-media communication” of this kind—i.e., “viewing TV on a mobile phone”—were far from the norm in 2006. Exhibit D. As NEC stated at the time, although such devices were “expected to be extremely popular,” using a cell phone to view television was itself a “groundbreaking way to use mobile phones.” *Id.* Still more groundbreaking was the inventive approach of the '981 patent, which went beyond the cell phones merely equipped to play television, such as the Nokia N92 and the NEC e636, and taught particular methods by which the cell phone could connect with and control a higher resolution display device for streaming video. The claimed inventions would have been inoperable on even the most sophisticated cell phones of the period, such as the Nokia N92 and NEC e636, because they required significant technical advancements and improvements to the hardware and software “stack” of the cell phone in order to enable their inventive functionality. *See* Exhibit E.

The '981 Patent

11. The '981 patent taught the hardware and software “stack” necessary to implement the particular methods claimed in the patents. For example, Figure 3D illustrates the relationships between the hardware and software components of the cell phone itself, as well as the internet and a high-resolution display device, in terms of their hierarchy and I/O requirements and functions. Figure 3D teaches a cell phone operating system that supports TCP/IP services, a

desktop browser and operating system within the cell phone, and the device drivers necessary to manage streaming media as it is received from the network, rendered by the operating system, and communicated to external devices. Figure 3D teaches that the cell phone's device drivers interact with the peripheral communications hardware and software that, in turn, communicates with external display devices. Further, Figure 3B shows that the peripheral communications hardware and software interacts with multichannel USB, and IEEE 1394 and IEEE 802.11 protocols that, in turn, use a multiport wireless interface to communicate with a high-resolution digital display device. Without the hardware and software stack (or its equivalents) disclosed, *inter alia*, in Figures 3B and 3D of the '981 patent, the claimed inventions would have been inoperable. The hardware and software stack disclosed in the patent was absent from the more advanced cell phones of the day (e.g., the Nokia N92 and NEC e636), which were designed as mere standalone devices—a completely different paradigm than disclosed in the '981 patent, which teaches the cell phone connecting with and controlling a higher resolution display device on which media may be streamed.

12. In the few prior art examples where a cell phone was actually connected to another device, the cell phone was used in a manner completely different than that claimed in the '981 patent, and for different purposes. As the inventor pointed out during prosecution of the parent '342 patent, the prior art merely “describe[d] a conventional tethering operation of a cell phone to a computer, and not peripheral cell phone control of the claimed invention.” Exhibit F [Prosecution History of '342 Parent Patent, Amendment, May 31, 2011, at 11]. According to the “conventional tethering operation[s]” of the prior art, the “PC or laptop connects to the internet via another PC's or a cell phone's wireless Internet connection, providing a bridge connection but not ceding control.” *Id.* By contrast, the “instant invention,” the inventor explained, “does

not use a cell phone to connect a ‘computer’ to the Internet” — “[q]uite the reverse, the instant invention connects peripheral devices (connected to the computer) to the cell phone to create a desktop computing environment on the cell phone.” *Id.* As the inventor described it in a later amendment during prosecution of the ’342 parent patent, the “present invention” was one “directed to an innovative approach to employ a cell phone or like PDA . . . to create a media center controlled by the user through the cell phone—without the usage of the computing power of the peripherals’ PC.” Exhibit G. [Prosecution History of ’342 Patent, Amendment, January 17, 2012, at 31]. The inventor emphasized that in the prior art “the portable device is a mere tether” and “has zero control – the network server is running things directly” in the “traditional client/server relationship.” *Id.* at 32. By contrast, the parent ’342 patent “expressly involves and claims control of the peripheral device by the portable device, not at network control.” *Id.* Thus, at best, the prior art contemplated the “conventional tethering” of the cell phone to the computer for the purpose of improving the functionality of the computer according to the “traditional client/server relationship.” The ’981 patent, however—which shares a specification with the parent ’342 patent—teaches improvements in the cell phone hardware and software “stack,” enabling it to control the high-resolution display device, in a clear reversal of the “traditional client/server relationship” and departure from “conventional tethering.” As the inventor stated during prosecution of the ’981 patent, quoting the summary of the invention, “ ‘[t]he user may access’ the movies and videos ‘using the desktop monitor’ because, for example the ‘user interfaces’ of the web site providing this content ‘can be displayed through’ the ‘desktop monitor’ ” and “[t]hose ‘user interfaces are sent to the ‘desktop monitor’ by means of the ‘wireless cell phone.’ ” Exhibit H [Prosecution History of ’981 Patent, Sept. 7, 2016, Declaration of Michael D. Harold, at pages 3-4, para 7(a)(4)]. None of the prior art discloses the hardware

and software “stack” necessary to execute this novel functionality or to accomplish the objectives of the ’981 patent.

13. As the inventor pointed out during prosecution of the ’981 patent, the methods employed in the prior art failed to disclose, for example, the claimed step of “transmitting by the mobile communications device of at least some of the particular movie or video to the display device for display thereon **simultaneously** while at least some of the particular movie or video is being downloaded from the server to the mobile communications device.” Exhibit I [Prosecution History of ’981 Patent, Sept. 9, 2016 Amendment, at 8] (emphasis added). This step of claim 1 of the ’981 patent not only distinguishes it from prior art methods but constitutes one of the ’981 patent’s “inventive concepts,” both in its own right as well as in combination with other claim elements, rendering the patent eligible under 35 U.S.C. § 101. Indeed, the inventor pointed out that this step “teaches away” from the prior art, which merely “discloses that a document must be fully downloaded before it can be accessed,” from prior art wherein “content is fully downloaded *before* the mobile device ‘detects’ the display” or from prior art wherein “a video conference is received or initiated *before* it is routed to the external display.” (Emphasis added). As such, the inventor noted, the prior art “teach[es] away from the claimed methods.” *Id.* at 8-9.

14. As the inventor further noted during prosecution of the ’981 patent, the “claims are specifically limited to the field of consumer electronic entertainment, as contemplated by the specification.” For example, claim 1 specifically limits the “electrical coupling” between the display device and the mobile communications device to be “for consumer electronic entertainment purposes,” which puts “limitations . . . on the type of electrical couplings that are covered by the claims.” *Id.* at 10-11.

15. The USPTO issued the '981 patent on January 17, 2017, without ever having rejected any of the claims under 35 U.S.C. § 101 during prosecution.

16. The inventor of the '981 patent conceived of the inventions disclosed and claimed therein and worked to commercialize them for several years. Among his goals (and later those of his company, Zamboola) was to provide hardware and software solutions for the mobile market to allow the interfacing of user information between devices in an enhanced way. Accordingly, after filing in 2006 the applications that eventually issued as the '981 patent and its parent '342 patent, he set to work prototyping solutions that reduced the claimed inventions to practice. Mr. Harold began by modifying an "open source" cell phone released after filing, the Openmoko "Neo," which had an operating system and some of the hardware necessary to support streaming media from the Internet to a high-resolution display device. However, because the software on the Neo proved to be too unstable for the purposes of the claimed inventions, the inventor was forced to migrate to an "Android" operating system. Still more modifications were necessary after migrating to the Android OS, which was not designed for the purpose of streaming media to a high-resolution display device, and lacked the architecture for concurrent, multi-threaded operations and inter-process communications. Subsequently, the inventor adapted open source device drivers to these purposes. Additionally, because the Neo had a USB port, the inventor developed a USB-to-VGA connector that allowed the cell phone to display media at the higher resolution VGA, controlled by the user via the Neo touchscreen. Thus, the conventional software and hardware components available required significant modifications from their original form before it was possible to integrate them into a prototype incorporating the claimed inventions.

17. The '981 Patent is valid and enforceable.

18. The '981 Patent describes a need to provide an improved paradigm for using a wireless cell phone or other such communications device as a central component of a desktop or other such computing environment. Ex. A, 2:61-64.

19. The '981 Patent describes a system, method and apparatus in which the user of a wireless cell phone device establishes a direct connection with a desktop computer monitor, keyboard, mouse or other component using any combination of wireline connections and wireless connections. *Id.* at 1:30-36.

20. The '981 Patent is not directed to a method of organizing human activity or to a fundamental economic practice long prevalent in commerce. The '981 Patent describes a system that addresses a technical problem—using a wireless cell phone as a central component of a desktop or other computing environment that includes, in addition to a desktop computer monitor and a desktop keyboard and mouse, using the use of desktop speakers and a desktop printer. *Id.* at 3:7-12—with a technical solution: increasing the use of a cell phone as a connection, communications and controlling device for desktop computers, digital display monitor and keyboard and mouse. *Id.* at 3:41-48.

21. The '981 Patent does not preempt the field or preclude the use of other wireless cell phones. For example, many companies offer currently offer rudimentary products that allow a cell phone to project images, presentations and movies onto a nearby wall or surface. *Id.* at 2:9-12. The prior art also only uses cell phones as computing devices and not as a full-sized computer monitor or other full-size digital output device for manipulating data or issuing commands remotely through the handheld communications devices. *Id.* at 3:20-27.

22. The '981 Patent does not take a well-known or established business method or process and apply it to a general-purpose computer. Instead, in an exemplary embodiment, it

uses a wireless cell phone as a central component of a desktop or other computing environment that includes, in addition to a desktop computer monitor and a desktop keyboard and mouse, the use of desktop speakers and a desktop printer. *Id.* at 3:7-12. The desktop computer monitor or other full-size digital display device is also used as a visual output device, and a full-size keyboard and mouse are used as user input devices. *Id.* 2:66-3:1.

23. In the application leading to the '981 Patent, the Examiner expressly considered all of the IPR petitions filed against the '342 Patent, *see* ¶ 30 *infra*, and allowed the '981 Patent to issue over all the prior art cited in those IPR petitions.

The '342 Patent:

24. The '342 Patent is valid and enforceable.

25. The '342 Patent describes a need to provide an improved paradigm for using a wireless cell phone or other such communications device as a central component of a desktop or other such computing environment. Ex. B, 2:51-54.

26. The '342 Patent describes a system, method and apparatus in which the user of a wireless cell phone device establishes a direct connection with a desktop computer monitor, keyboard, mouse or other component using any combination of wireline connections and wireless connections. *Id.* at 1:10-16.

27. The '342 Patent is not directed to a method of organizing human activity or to a fundamental economic practice long prevalent in commerce. The '342 Patent describes a system that addresses a technical problem—using a wireless cell phone as a central component of a desktop or other computing environment that includes, in addition to a desktop computer monitor and a desktop keyboard and mouse, the use of desktop speakers and a desktop printer. *Id.* at 3:38-45—with a technical solution: increasing the use of a cell phone as a connection,

communications and controlling device for desktop computers, digital display monitors and keyboard and mouse. *Id.* at 3:30-37.

28. The '342 Patent does not preempt the field or preclude the use of other wireless cell phones. For example, many companies offer currently offer rudimentary products that allow a cell phone to project images, presentations and movies onto a nearby wall or surface. *Id.* at 1:65-2:1. The prior art also only uses cell phones as computing devices and not as a full-sized computer monitor or other full-size digital output device for manipulating data or issuing commands remotely through the handheld communications devices. *Id.* at 2:10-17.

29. The '342 Patent does not take a well-known or established business method or process and apply it to a general-purpose computer. Instead, in an exemplary embodiment, it uses a wireless cell phone as a central component of a desktop or other computing environment that includes, in addition to a desktop computer monitor and a desktop keyboard and mouse, the use of desktop speakers and a desktop printer. *Id.* at 3:38-45. The desktop computer monitors, or other full-size digital display device is also used as a visual output device, and a full-size keyboard and mouse are used as user input devices. *Id.* at 2:54-63.

30. The PTAB declined to institute an IPR against the asserted claim 21 of the '342 Patent in IPR2016-00989, and therefore determined that there was not a reasonable likelihood of unpatentability on the given grounds. *See RPX Corp. v. Sockeye Licensing TX, LLC*, IPR2016-00989 (P.T.A.B. 2016) (declining to institute an IPR as to claims 21, 22, 25 and 26). In IPR2016-01052, the Petitioner did not seek to institute an IPR of claim 21. *See RPX Corp. v. Sockeye Licensing TX, LLC*, IPR2016-01052 (P.T.A.B. 2016) (requesting an IPR for claims 11-19 and 58-76 and denying institution of an IPR for claims 60-61 and 69).

COUNT I: INFRINGEMENT OF THE '981 Patent

31. Sockeye incorporates the above paragraphs herein by reference.

32. **Direct Infringement.** Defendants have been and continue to directly infringe at least claim 1 of the '981 Patent in this District and elsewhere in the United States by, for example, distributing in the United States the television sets that they receive that are manufactured by Shenzhen MTC Co. Ltd. ("Infringing Products"), which perform the steps found in the preamble of claim 1. An exemplary infringing product can be found at <https://www.walmart.com/ip/JVC-55-Class-4K-Ultra-HD-2160P-HDR-Smart-LED-TV-with-Built-in-Chromecast-LT-55MA875/916717227>. The Infringing Products allow, for example, a YouTube video to be downloaded from a YouTube server to the user's smartphone, and then wirelessly cast from the smartphone to the casting circuitry for display on the Infringing Products.

33. The Infringing Products perform the steps of all other claim elements of at least claim 1 of the '981 patent.

34. **Induced Infringement.** Defendants have also actively induced, and continue to induce, the infringement of at least claim 1 of the '981 Patent by actively inducing their customers, including merchants and end-users, to use the Infringing Products in an infringing manner as described above. Upon information and belief, Defendants have specifically intended that their customers use the Infringing Products that infringes at least claim 1 of the '981 Patent by, at a minimum, providing access to, support for, training and instructions for a website to their customers to enable them to infringe at least claim 1 of the '981 Patent, as described above. Even where performance of the steps required to infringe at least claim 1 of the '981 Patent is accomplished by Defendants and an end user customer jointly, Defendants are responsible for the actions that cause each of the steps of at least claim 1 of the '981 Patent to be performed.

35. As of 2015, Shenzhen MTC Co. Ltd. manufactures and sells JVC brand televisions. See James K. Willcox, *TV Brands Aren't Always What They Seem*, CONSUMER REPORTS (July 9, 2018), <https://www.consumerreports.org/lcd-led-oled-tvs/tv-brands-arent-always-what-they-seem/>. Each JVC television has Chromecast or a similar functionality as a built-in feature. Defendant E & S International Enterprises, Inc. has assumed U.S. sales and marketing responsibilities for the Infringing Products that are made by Shenzhen MTC Co. Ltd., which licensed the JVC brand in the U.S. See, <http://esintl.com/>. Defendant Walmart Inc. sells Infringing Products that it receives from defendant E & S International Enterprises, Inc.

36. Sockeye is entitled to recover damages adequate to compensate it for such infringement in an amount no less than a reasonable royalty under 35 U.S.C. § 284.

COUNT II: INFRINGEMENT OF THE '342 Patent

37. Sockeye incorporates the above paragraphs herein by reference.

38. **Direct Infringement.** Defendants have been and continue to directly infringe at least claim 21 of the '342 Patent in this District and elsewhere in the United States by, for example, distributing the Infringing Products, which are at least a part of the preamble of claim 21 “[t]he peripheral device control system according to claim 20.” For example, the Infringing Product works in combination with a casting function.

39. The Infringing Product performs the steps of all elements of at least claim 21 of the '342 patent.

40. **Induced Infringement.** Defendants have also actively induced, and continue to induce, the infringement of at least claim 21 of the '342 Patent by actively inducing their customers, including merchants and end-users, to use the Infringing Products in an infringing

manner as described above. Upon information and belief, Defendants have specifically intended that its end user customers use the Infringing Products each of which infringes at least claim 21 of the '342 Patent by, at a minimum, providing access to, support for, training and instructions for a website to its customers to enable them to infringe at least claim 21 of the '342 Patent, as described above. Even where performance of the steps required to infringe at least claim 21 of the '342 Patent is accomplished by Defendants and an end-user customer jointly, Defendants are responsible for the actions that cause each of the steps of at least claim 21 of the '342 Patent to be performed.

41. As of 2015, Shenzhen MTC Co. Ltd. manufactures and sells JVC brand televisions. *See* James K. Willcox, *TV Brands Aren't Always What They Seem*, CONSUMER REPORTS (July 9, 2018), <https://www.consumerreports.org/lcd-led-oled-tvs/tv-brands-arent-always-what-they-seem/>. Each JVC television has Chromecast or a similar functionality as a built-in feature. Defendant E & S International Enterprises, Inc. has assumed U.S. sales and marketing responsibilities for the Infringing Products that are made by Shenzhen MTC Co. Ltd., which licensed the JVC brand in the U.S. *See*, <http://esintl.com/>. Defendant Walmart Inc. sells the Infringing Products that it receives from E & S International Enterprises, Inc.

42. Sockeye is entitled to recover damages adequate to compensate it for such infringement in an amount no less than a reasonable royalty under 35 U.S.C. § 284.

JURY DEMAND

43. Under Rule 38(b) of the Federal Rules of Civil Procedure, Sockeye respectfully requests a trial by jury on all issues so triable.

PRAYER FOR RELIEF

WHEREFORE, Sockeye asks this Court to enter judgment against Defendant, granting the following relief:

- A. A declaration that Defendants have infringed the Patents-in-Suit;
- B. An award of damages to compensate Sockeye for Defendants' direct infringement of the Patents-in-Suit;
- C. An award of damages, including trebling of all damages, sufficient to remedy Defendants' infringement of the Patents-in-Suit under 35 U.S.C. § 284;
- D. An accounting of all damages not presented at trial;
- E. A declaration that this case is exceptional, and an award to Sockeye of reasonable attorneys' fees, expenses and costs under 35 U.S.C. § 285;
- F. An award of prejudgment and post-judgment interest; and
- G. Such other relief as this Court or jury may deem proper and just.

Dated: November 26, 2019

Respectfully submitted,

/s/ Isaac Rabicoff

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