

**UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
MARSHALL DIVISION**

MESA DIGITAL LLC,

Plaintiff,

v.

**HUAWEI DEVICE USA INC.; HUAWEI
TECHNOLOGIES USA INC.; HUAWEI
DEVICE (SHENZHEN) CO., LTD.; HUAWEI
DEVICE (DONGGUAN) CO., LTD.**

Defendants.

Case No. 2:18-cv-00285-JRG

Patent Case

Jury Trial Demanded

AMENDED COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff Mesa Digital LLC (“Mesa”), through its attorney, complains of Huawei Device USA Inc., Huawei Technologies USA Inc., Huawei Device (Shenzhen) Co., Ltd. and Huawei Device (Dongguan) Co., Ltd. (“Huawei”), and alleges the following:

PARTIES

1. Plaintiff Mesa Digital LLC is a limited liability company organized and existing under the laws of New Mexico that maintains its principal place of business at 117 Bryn Mawr Drive SE, Albuquerque, NM 87106.
2. Defendant Huawei Device USA Inc. is a corporation organized and existing under the laws of Texas that maintains its principal place of business at 5700 Tennyson Pkwy, Ste 300, Plano, TX 75024.
3. Defendant Huawei Technologies USA Inc. is a corporation organized and existing under the laws of Texas that maintains its principal place of business at 5700 Tennyson Pkwy, Ste 500, Plano, TX 75024.

4. Defendant Huawei Device (Shenzen) Co., Ltd. is a foreign corporation organized and existing under the laws of China.
5. Defendant Huawei Device (Dongguan) Co., Ltd. is a foreign corporation organized and existing under the laws of China.

JURISDICTION

6. This is an action for patent infringement arising under the patent laws of the United States, Title 35 of the United States Code.
7. This Court has exclusive subject matter jurisdiction under 28 U.S.C. §§ 1331 and 1338(a).
8. This Court has personal jurisdiction over Huawei because it has engaged in systematic and continuous business activities in the Eastern District of Texas. Specifically, Huawei provides its full range of services to residents in this District. As described below, Huawei has committed acts of patent infringement giving rise to this action within this District.

VENUE

Venue is proper in this District under 28 U.S.C. §§ 1391(c) and 1400(b) because Huawei is subject to personal jurisdiction in this district, has regularly conducted business in this judicial district and certain of the acts complained of herein occurred in this judicial district. In addition, Mesa has suffered harm in this District.

PATENTS-IN-SUIT

9. Mesa is the assignee of assignee of all right, title and interest in United States Patent Nos. 9,031,537 (the “537 Patent”) and 9,646,444 (the “444 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, Mesa possesses the exclusive right and standing to prosecute the present action for infringement of

the Patents-in-Suit by Huawei.

The '537 Patent

10. On May 12, 2015, the United States Patent and Trademark Office issued the '537 Patent. The '537 Patent is titled "Electronic Wireless Hand Held Multimedia Device." The application leading to the '537 Patent was filed on October 23, 2008. A true and correct copy of the '537 Patent is attached hereto as Exhibit A and incorporated herein by reference.
11. The '537 Patent is valid and enforceable.
12. The invention in the '537 Patent provides an improved electronic wireless hand held multimedia device that has more than one wireless transceiver modules configured for the receipt, processing and transmission of multimedia data to and from remote data resources over more than one standard of wireless communication. Ex. A. at 3:61-66.
13. The inventors recognized that what would be needed in the future, among other things, was a electronic wireless hand held multimedia device that could connect to various data networks and establish short/visible range data connections with electronic devices located in close proximity, provide multimedia capabilities including remotely accessing and displaying of video, enabling access to email and multimedia content from the Internet including servers and the World Wide Web, determining location information and enable the determination and provision of directions to alternate location by accessing remote map information and displaying the map information on the display touch sensitive display screen, a technique which can be referred to as GPS mapping, and enable mobile payments through the device, for example, by enabling hand held device users to be billed a transaction fee via bank accounts (e.g., ATM, Debit and Credit cards) billing via communication service accounts or

arrangements, and prepaid services, and other authorized account-related billing arrangements. *Id.* at 2:64-3:16.

The '444 Patent

14. On May 9, 2017, the United States Patent and Trademark Office issued the '444 Patent. The '444 Patent is titled "Electronic Wireless Hand Held Multimedia Device." The application leading to the '444 Patent was filed on February 3, 2015 and is a continuation of the application leading to the '537 Patent. A true and correct copy of the '444 Patent is attached hereto as Exhibit B and incorporated herein by reference.

15. The '444 Patent is valid and enforceable.

16. The invention in the '444 Patent provides an improved electronic wireless hand held multimedia device that has more than one wireless transceiver modules configured for the receipt, processing and transmission of multimedia data to and from remote data resources over more than one standard of wireless communication. Ex. B. at 2:5-10.

17. The inventors recognized that what would be needed in the future, among other things, was a electronic wireless hand held multimedia device that could connect to various data networks and establish short/visible range data connections with electronic devices located in close proximity, provide multimedia capabilities including remotely accessing and displaying of video, enabling access to email and multimedia content from the Internet including servers and the World Wide Web, determining location information and enable the determination and provision of directions to alternate location by accessing remote map information and displaying the map information on the display touch sensitive display screen, a technique which can be referred to as GPS mapping, and enable mobile payments through the device, for example, by enabling hand held device users to be billed a transaction fee via bank

accounts (e.g., ATM, Debit and Credit cards) billing via communication service accounts or arrangements, and prepaid services, and other authorized account-related billing arrangements. *Id.* at 3:5-24.

COUNT I: INFRINGEMENT OF THE '537 PATENT

18. Mesa incorporates the above paragraphs herein by reference.

19. **Direct Infringement.** Huawei has been and continues to directly infringe at least claim 1 of the '537 Patent in this District and elsewhere in the United States by providing a device, for example, Huawei's P10 that has an electronic wireless hand held multimedia device. For example, Huawei's P10 is an electronic wireless hand held multimedia device. *See* Figure 1; <https://consumer.huawei.com/en/phones/p10/>.



Figure 1. Huawei's P10 is an electronic wireless hand held multimedia device.

20. Huawei provides a device with at least one of a wireless unit and a tuner unit supporting bi-directional data communications of data including video and text for the electronic wireless hand held multimedia device with remote data resources over cellular telecommunications networks, over wireless local area networks and over a direct wireless connection with electronic devices located within short range using Bluetooth communications after accepting

a passcode from a user of the multimedia device during the communications. For example, Huawei's P10 supports data communication over network LTE, WiFi, and Bluetooth. *See* Figure 2; <http://consumer.huawei.com/en/phones/p10/specs/>.

NETWORK

VTR-AL00

Main SIM card:

LTE FDD: Bands 1/2/3/4/5/7/8/9/12/17/18/19/20/26

TD-LTE: Bands 38/39/40/41 (100M)

UMTS (WCDMA) / HSPA + / DC-HSDPA: Bands 1/2/4/5/6/8/19

TD-SCDMA: Bands 34/39

CDMA: BC0 (800 MHz), Only for China Telecom (China Mainland + Macao, China)

GSM / EDGE: 850/900/1800/1900 MHz

CONNECTIVITY

Bluetooth 4.2

802.11ac/a/b/g/n, 2.4G / 5G

USB 2.0

Figure 2. Huawei's P10 supports data communication over LTE, WiFi, and Bluetooth.

21. Huawei provides a device with a touch sensitive display screen configured to display the data including video and text received by the electronic wireless hand held multimedia device by selecting a particular data represented by a soft button on said touch sensitive display screen of the multimedia device. For example, Huawei's P10 has a touch sensitive display screen allowing users to select data on the touch screen. *See* Figure 3.

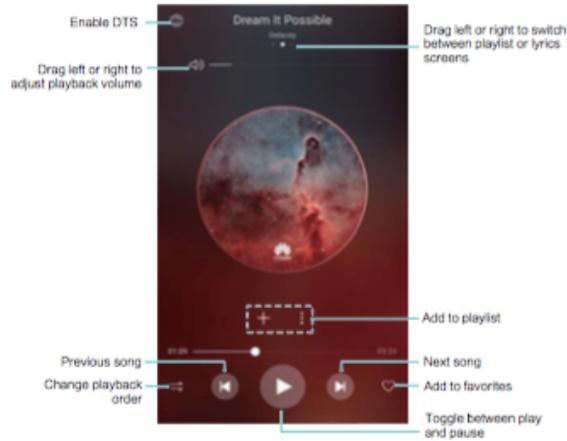


Figure 3. Huawei's P10 has a touch sensitive display screen allowing users to select data on the touch screen.

22. Huawei provides a device with a microprocessor configured to facilitate operation of and communications by the electronic wireless hand held multimedia device. For example, Huawei's P10 has a Qualcomm Snapdragon™810 processor. See Figure 4; <http://consumer.huawei.com/en/phones/p10/specs/>.

DISPLAY

5.1 inch FHD
1920 x 1080
16M colours, 432 PPI

CPU

HUAWEI Kirin 960 CPU, Octa-core 4* Cortex A73 2.4 GHz + 4*Cortex A53 1.8 GHz

OPERATION SYSTEM

Android™ 7.0

Figure 4. Huawei's P10 has a Qualcomm Snapdragon™810 processor.

23. **Induced Infringement.** Huawei has also actively induced, and continues to induce, the infringement of at least claim 1 of the '537 Patent by actively inducing its customers, including merchants and end-users to use Huawei's products in an infringing manner as described above. Upon information and belief, Huawei has specifically intended that its customers use its products that infringe at least claim 1 of the '537 Patent by, at a minimum, providing access to support for, training and instructions for, its system to its customers to enable them to infringe at least claim 1 of the '537 Patent, as described above. Even where performance of the steps required to infringe at least claim 1 of the '537 Patent is accomplished by Huawei and Huawei's customer jointly, Huawei's actions have solely caused all of the steps to be performed.
24. Mesa 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.
25. Mesa will continue to be injured, and thereby caused irreparable harm, unless and until this Court enters an injunction prohibiting further infringement.

COUNT II: INFRINGEMENT OF THE '444 PATENT

26. Mesa incorporates the above paragraphs by reference.
27. **Direct Infringement.** Huawei has been and continues to directly infringe at least claim 1 of the '444 Patent in this District and elsewhere in the United States by providing a device, for example, Huawei's P10 that has an electronic wireless hand held multimedia device. For example, Huawei's P10 is an electronic wireless hand held multimedia device. *See* Figure 5; <https://consumer.huawei.com/en/phones/p10/>.



Figure 5. Huawei's P10 is an electronic wireless hand held multimedia device.

28. Huawei provides a device with at least one of a wireless unit and a tuner unit supporting bi-directional data communications of data including video and text for the electronic wireless hand held multimedia device with remote data resources over cellular telecommunications networks, over wireless local area networks and over a direct wireless connection with electronic devices located within short range using Bluetooth communications after accepting a passcode from a user of the multimedia device during the communications. For example, Huawei's P10 has Bluetooth capabilities allowing for communication over cellular telecommunications networks over wireless local area networks and over a direct wireless connection with electronic devices. *See* Figure 6;

<http://consumer.huawei.com/en/phones/p10/specs/>.

NETWORK

VTR-AL00

Main SIM card:

LTE FDD: Bands 1/2/3/4/5/7/8/9/12/17/18/19/20/26

TD-LTE: Bands 38/39/40/41 (100M)

UMTS (WCDMA) / HSPA + / DC-HSDPA: Bands 1/2/4/5/6/8/19

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CDMA: BC0 (800 MHz), Only for China Telecom (China Mainland + Macao, China)

GSM / EDGE: 850/900/1800/1900 MHz

CONNECTIVITY

Bluetooth 4.2

802.11ac/a/b/g/n, 2.4G / 5G

USB 2.0

Figure 6. Huawei's P10 supports data communication over network LTE, WiFi, and Bluetooth.

29. Huawei provides a device with a touch sensitive display screen configured to display the data including video and text received by the electronic wireless hand held multimedia device by selecting a particular data represented by a soft button on said touch sensitive display screen of the multimedia device. For example, Huawei's P10 has a touch sensitive display screen allowing users to select data on the touch screen. *See Figure 7.*

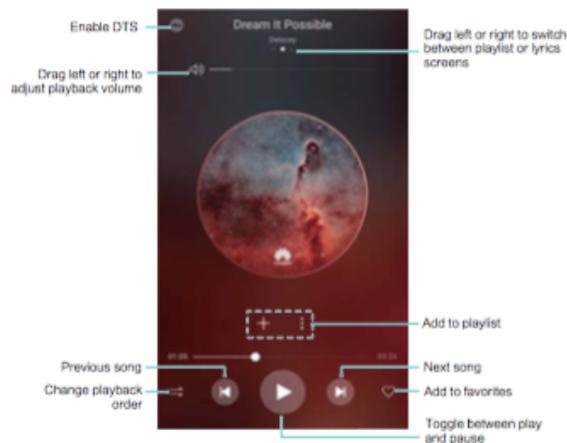


Figure 7. Huawei's P10 has a touch sensitive display screen allowing users to select data on the touch screen.

30. Huawei provides a device with a microprocessor configured to facilitate operation of and communications by the electronic wireless hand held multimedia device. For example, Huawei's P10 has a Qualcomm Snapdragon™810 processor. *See* Figure 8; <http://consumer.huawei.com/en/phones/p10/specs/>.

DISPLAY

5.1 inch FHD
1920 x 1080
16M colours, 432 PPI

CPU

HUAWEI Kirin 960 CPU, Octa-core 4* Cortex A73 2.4 GHz + 4*Cortex A53 1.8 GHz

OPERATION SYSTEM

Android™ 7.0

Figure 8. Huawei's P10 has a Qualcomm Snapdragon™810 processor.

31. Huawei provides a device with a video camera, enabling the capture, storage, processing, and transmission of video and pictures. For example, Huawei's P10 has a camera for taking photos or recording video. *See* Figure 5.
32. **Induced Infringement.** Huawei has also actively induced, and continues to induce, the infringement of at least claim 1 of the '444 Patent by actively inducing its customers, including merchants and end-users to use Huawei's products in an infringing manner as described above. Upon information and belief, Huawei has specifically intended that its customers use its products that infringe at least claim 1 of the '444 Patent by, at a minimum, providing access to support for, training and instructions for, its system to its customers to

enable them to infringe at least claim 1 of the '444 Patent, as described above. Even where performance of the steps required to infringe at least claim 1 of the '444 Patent is accomplished by Huawei and Huawei's customer jointly, Huawei's actions have solely caused all of the steps to be performed.

33. Mesa 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.

34. Mesa will continue to be injured, and thereby caused irreparable harm, unless and until this Court enters an injunction prohibiting further infringement.

JURY DEMAND

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

PRAYER FOR RELIEF

WHEREFORE, Mesa asks this Court to enter judgment against Huawei, granting the following relief:

- A. A declaration that Huawei infringed the Patents-in-Suit;
- B. An award of damages to compensate Mesa for Huawei's direct infringement of the Patents-in-Suit;
- C. An order that Huawei and its officers, directors, agents, servants, employees, successors, assigns, and all persons in active concert or participation with them, be preliminarily and permanently enjoined from infringing the Patents-in-Suit under 35 U.S.C. § 283;
- D. An award of damages, including trebling of all damages, sufficient to remedy Huawei's willful infringement of the Patents-in-Suit under 35 U.S.C. § 284;

- E. A declaration that this case is exceptional, and an award to Mesa 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.

Respectfully submitted,
/s/ Kenneth Matuszewski
Counsel for Plaintiff

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