

**IN THE UNITED STATES DISTRICT COURT
THE WESTERN DISTRICT OF TEXAS
WACO DIVISION**

CDN INNOVATIONS, LLC

Plaintiff,

v.

PANASONIC CORPORATION

Defendant.

Civil Action No. 6:20-cv-447

JURY TRIAL DEMANDED

**CDN INNOVATIONS, LLC'S FIRST AMENDED COMPLAINT FOR PATENT
INFRINGEMENT**

Plaintiff CDN Innovations, LLC (“CDN” or “Plaintiff”), for its First Amended Complaint against Defendant Panasonic Corporation, (referred to herein as “Panasonic” or “Defendant”), alleges the following:

NATURE OF THE ACTION

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

THE PARTIES

2. Plaintiff CDN is a limited liability company organized under the laws of the State Georgia with a place of business at 44 Milton Avenue, Suite 254, Alpharetta, GA 30009.

3. Upon information and belief, Panasonic is a corporation organized under the laws of Japan, with a place of business at 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan. Upon information and belief, Panasonic sells, offers to sell, and/or uses products and services throughout the United States, including in this judicial district, and introduces infringing

products and services into the stream of commerce knowing that they would be sold and/or used in this judicial district and elsewhere in the United States.

JURISDICTION AND VENUE

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 subject matter jurisdiction under 28 U.S.C. §§ 1331 and 1338(a).

6. Venue is proper as to Panasonic in this judicial district under 28 U.S.C. §1391(c)(3). On information and belief, Panasonic is not resident in the United States and may be sued in any judicial district.

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

BACKGROUND

The Inventions

Adaptive Power Control

8. Sinikka Sarkkinen, Jari Isokangas, and Dimitris Koulakiotis (hereinafter “the Inventors”) are the inventors of U.S. Patent Nos. 7,006,844 (“the ’844 patent”) and 7,860,462 (“the ’462 patent”). A true and correct copy of the ’844 patent is attached as Exhibit A. A true and correct copy of the ’462 patent is attached as Exhibit B.

9. The '844 and '462 patents resulted from the pioneering efforts of the Inventors in the area of data transmissions in a wireless communication network, and more particularly the dynamic control of the power level of multicast data transmission. These efforts resulted in the development of a method and apparatus for adaptive power control for multicast transmission in 2002.

COUNT 1 – INFRINGEMENT OF U.S. PATENT NO. 7,006,844

10. The allegations set forth in the foregoing paragraphs are incorporated into this Count.

11. On February 28, 2006, the '844 patent was duly and legally issued by the United States Patent and Trademark Office under the title “Adaptive power control for multicast transmission”.

12. CDN is the assignee and owner of the right, title and interest in and to the '844 patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

13. Upon information and belief, Panasonic has and continues to directly infringe one or more claims of the '844 patent by making, using (e.g., developing, testing, installing or otherwise using) offering to sell, selling, or importing into the United States products, specifically one or more of the products identified in Exhibit C hereto (the “*Accused 802.11 Instrumentalities*”). For example, upon information and belief, Panasonic at least imports the *Accused 802.11 Instrumentalities* into the United States

14. Exemplary infringement analysis showing infringement of at least claims 15 and 23 of the '844 patent is set forth in Exhibit C. This infringement analysis is necessarily preliminary, as it is provided in advance of any discovery provided by Panasonic with respect to the '844 patent. CDN reserves all rights to amend, supplement and modify this preliminary

infringement analysis. Nothing in the attached chart should be construed as any express or implied contention or admission regarding the construction of any term or phrase of the claims of the '844 patent.

15. Upon information and belief, users of devices containing Panasonic's *Accused 802.11 Instrumentalities* have and will continue to directly infringe at least claims 15 and 23 of the '844 patent.

16. Upon information and belief, Panasonic had knowledge of the '844 patent at least as early as its receipt of this complaint.

17. Panasonic's encouragement of others to use the *Accused 802.11 Instrumentalities*—knowing that such use, as alleged herein, infringes at least claims 15 and 23 of the '844 patent—constitutes inducement of others under 35 U.S.C. § 271(b). Panasonic's encouragement of infringement includes actively advertising, promoting, and distributing technical information through its website (and other sources) that the *Accused 802.11 Instrumentalities* are not only compliant with the IEEE Std 802.11 Standard ("802.11") but specifically intended for use as an 802.11 product. For example, a promotional brochure on Panasonic's website expressly describes the PAN9055/9045 Multi-Mode WiFi Radio Module as a "is a 2.4GHz ISM band wireless radio module for implementing WLAN and Bluetooth functionality into various electronic devices. The cost-effective, low-power operation, system-on-chip (SoC) solutions enable wireless network applications to be built with low total bill-of-material costs [and] Supports IEEE 802.11." (Source:https://b2b-api.panasonic.eu/file_stream/pids/fileversion/2248 (last visited 05/28/2020)). In addition, Panasonic promotes one of the *Accused 802.11 Instrumentalities*, its DP-UB820-K WiFi Blu-ray player, as having "(Built-in) IEEE802.11 a/b/g/n/ac" support. (Source:

<https://shop.panasonic.com/audio-and-video/blu-ray-and-dvd-players/blu-ray-disc-players/DP-UB820-K.html#start=1&cgid=blu-ray-and-dvd-players>, (last visited 07/28/2020)). Additional infringing products are identified in the attachments to the claim charts included as exhibits hereto. Such conduct demonstrates Panasonic's specific intent (or at least willful blindness) to actively aid and abet others to infringe, including but not limited to Panasonic's partners and downstream customers, whose use of the *Accused 802.11 Instrumentalities* constitutes direct infringement of at least claims 15 and 23 of the '844 patent.

18. Upon information and belief, Panasonic is also liable as a contributory infringer of the '844 patent under 35 U.S.C. § 271(c) by offering to sell, selling and/or importing into the United States componentry especially made to comply with the 802.11 Standard which, as shown in Exhibit C, constitutes an infringement of the '844 patent. *See supra* ¶ 17. The *Accused 802.11 Instrumentalities* are material components for use in practicing the '844 patent and are specifically made and are not a staple article of commerce suitable for substantial non-infringing use.

19. The Accused Instrumentality infringed and continues to infringe at least claims 15 and 23 of the '844 patent during the pendency of the '844 patent.

20. CDN has been harmed by the Panasonic's infringing activities.

COUNT 2 – INFRINGEMENT OF U.S. PATENT NO. 7,860,462

21. The allegations set forth in the foregoing paragraphs are incorporated into this Count.

22. On December 28, 2010, the '462 patent was duly and legally issued by the United States Patent and Trademark Office under the title "Adaptive power control for multicast transmission" [sic].

23. CDN is the assignee and owner of the right, title and interest in and to the '462 patent, including the right to assert all causes of action arising under said patent and the right to any remedies for infringement of it.

24. Upon information and belief, Panasonic has and continues to directly infringe one or more claims of the '462 patent by making, using (e.g., developing, testing, installing or otherwise using) offering to sell, selling, or importing into the United States products, specifically one or more of the products identified in Exhibit D hereto (the "*Accused 802.11 Instrumentalities*"). For example, upon information and belief, Panasonic at least imports the *Accused 802.11 Instrumentalities* into the United States.

25. Exemplary infringement analysis showing infringement of at least claims 1, 10, 15, and 19 of the '462 patent is set forth in Exhibit D. This infringement analysis is necessarily preliminary, as it is provided in advance of any discovery provided by Panasonic with respect to the '462 patent. CDN reserves all rights to amend, supplement and modify this preliminary infringement analysis. Nothing in the attached chart should be construed as any express or implied contention or admission regarding the construction of any term or phrase of the claims of the '462 patent.

26. Upon information and belief, users of devices containing Panasonic's *Accused 802.11 Instrumentalities* have and will continue to directly infringe at least claims 1, 10, 15, and 19 of the '462 patent.

27. Upon information and belief, Panasonic had knowledge of the '462 patent at least as early as its receipt of this complaint.

28. Panasonic's encouragement of others to use the *Accused 802.11 Instrumentalities*—knowing that such use, as alleged herein, infringes at least claims 1, 10, 15,

and 19 of the '462 patent—constitutes inducement of others under 35 U.S.C. § 271(b). Panasonic's encouragement of infringement includes actively advertising, promoting, and distributing technical information through its website (and other sources) that the *Accused 802.11 Instrumentalities* are not only compliant with the IEEE Std 802.11. Standard ("802.11") but specifically intended for use an 802.11 product. For example, a promotional brochure on Panasonic's website expressly describes the PAN9055/9045 Multi-Mode WiFi Radio Module as a "is a 2.4GHz ISM band wireless radio module for implementing WLAN and Bluetooth functionality into various electronic devices. The cost-effective, low-power operation, system-on-chip (SoC) solutions enable wireless network applications to be built with low total bill-of-material costs [and] Supports IEEE 802.11." (Source:https://b2b-api.panasonic.eu/file_stream/pids/fileversion/2248 (last visited 05/28/2020)). In addition, Panasonic promotes one of the *Accused 802.11 Instrumentalities*, its DP-UB820-K WiFi Blu-ray player, as having "(Built-in) IEEE802.11 a/b/g/n/ac" support. (Source: <https://shop.panasonic.com/audio-and-video/blu-ray-and-dvd-players/blu-ray-disc-players/DP-UB820-K.html#start=1&cgid=blu-ray-and-dvd-players>, (last visited 07/28/2020)). Additional infringing products are identified in the attachments to the claim charts included as exhibits hereto. Such conduct demonstrates Panasonic's specific intent (or at least willful blindness) to actively aid and abet others to infringe, including but not limited to Panasonic's partners and downstream customers, whose use of the *Accused 802.11 Instrumentalities* constitutes direct infringement of at least claims 1, 10, 15, and 19 of the '462 patent.

29. Upon information and belief, Panasonic is also liable as a contributory infringer of the '462 patent under 35 U.S.C. § 271(c) by offering to sell, selling and/or importing into the United States componentry especially made to comply with 802.11 Standard which, as shown in

Exhibit D, constitutes an infringement of the '462 patent. *See supra* ¶ 28. The *Accused 802.11 Instrumentalities* are material components for use in practicing the '462 patent and are specifically made and are not a staple article of commerce suitable for substantial non-infringing use.

30. The Accused Instrumentality infringed and continues to infringe at least claims 1, 10, 15, and 19 of the '462 patent during the pendency of the '462 patent.

31. CDN has been harmed by the Panasonic's infringing activities.

JURY DEMAND

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

PRAYER FOR RELIEF

WHEREFORE, Plaintiff CDN demands judgment for itself and against Panasonic as follows:

- A. An adjudication that the Panasonic has infringed the patents asserted herein;
- B. An award of damages to be paid by Panasonic adequate to compensate CDN for Panasonic's past infringement of the patents asserted herein, and any continuing or future infringement through the date such judgment is entered, including interest, costs, expenses and an accounting of all infringing acts including, but not limited to, those acts not presented at trial;
- C. A declaration that this case is exceptional under 35 U.S.C. § 285, and an award of CDN's reasonable attorneys' fees; and
- D. An award to CDN of such further relief at law or in equity as the Court deems just and proper.

Dated: July 29, 2020

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