

**IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF DELAWARE**

MODERN TELECOM SYSTEMS, LLC	)	
	)	
Plaintiff,	)	C.A. No. 17-583-LPS-CJB
v.	)	<b>JURY TRIAL DEMANDED</b>
	)	
TCL COMMUNICATION INC.,	)	
TCT MOBILE, INC.,	)	
TCT MOBILE (US) INC., AND	)	
TCT MOBILE (US) HOLDINGS, INC.	)	
	)	
Defendants.	)	

**FIRST AMENDED COMPLAINT FOR PATENT INFRINGEMENT**

Plaintiff Modern Telecom Systems, LLC (“MTS” or “Plaintiff”), for its First Amended Complaint against TCL Communication Inc., TCT Mobile, Inc., TCT Mobile (US) Inc., and TCT Mobile (US) Holdings, Inc. (“TCL” or “Defendants”) 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 is a limited liability company organized under the laws of the State of Delaware with its sole place of business at 913 N. Market Street, Suite 200, Wilmington, DE 19801.

3. On information and belief, TCL Communication Inc. is a corporation organized under the laws of Delaware with a place of business at 25 Edelman, Suite 200, Irvine, California, 92618. The Delaware Division of Corporations identifies TCL Communication Inc.’s registered agent as Corporation Service Company, 2711 Centerville Rd, Suite 400, Wilmington, DE 19808.

4. On information and belief, TCT Mobile, Inc. is a corporation organized under the laws of Delaware with a place of business at 25 Edelman, Suite 200, Irvine, California, 92618. The Delaware Division of Corporations identifies TCT Mobile Inc.'s registered agent as Corporation Service Company, 2711 Centerville Rd, Suite 400, Wilmington, DE 19808.

5. On information and belief, TCT Mobile (US) Inc. is a corporation organized under the laws of Delaware with a place of business at 25 Edelman, Suite 200, Irvine, California, 92618. The Delaware Division of Corporations identifies TCT Mobile (US) Inc.'s registered agent as Corporation Service Company, 2711 Centerville Rd, Suite 400, Wilmington, DE 19808.

6. On information and belief, TCT Mobile (US) Holdings, Inc. is a corporation organized under the laws of Delaware with its principal place of business at 25 Edelman, Suite 200, Irvine, California, 92618. The Delaware Division of Corporations identifies TCT Mobile (US) Holdings, Inc.'s registered agent as Corporation Service Company, 2711 Centerville Rd, Suite 400, Wilmington, DE 19808.

7. On information and belief, Defendants sell and offer to sell products and services throughout the United States, including in this District, and introduce products and services into the stream of commerce and that incorporate infringing technology knowing that they would be sold in this District and elsewhere in the United States.

8. On information and belief, Defendants conduct a significant, persistent and regular amount of business in this District through product sales by its distributors and resellers and through online marketing, and derive substantial revenue from such business.

#### **JURISDICTION AND VENUE**

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

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

11. Venue is proper in this District under 28 U.S.C. §§ 1391(b), (c) and/or 1400(b).

On information and belief, Defendants have placed, and are continuing to place, infringing products into the stream of commerce, via an established distribution channel, with the knowledge and/or understanding that such products are sold in this District. Defendants, directly or through intermediaries, conduct business in this District, and at least a portion of the acts of infringement and claims alleged in this Complaint have taken place and are continuing to take place in this District.

12. On information and belief, this Court has personal jurisdiction over Defendants because they are all incorporated in Delaware and have purposefully availed themselves of the privileges and benefits of the laws of the State of Delaware. Further, all Defendants are subject to this Court's general and specific personal jurisdiction because Defendants have sufficient minimum contacts within the State of Delaware, pursuant to due process and/or the Delaware Long Arm Statute, because Defendants purposefully availed themselves of the privileges of conducting business in the State of Delaware, and because Plaintiff's causes of action arise directly from Defendants' business contacts and other activities in the State of Delaware, including regularly doing or soliciting business and deriving substantial revenue from products and services provided to individuals in this District. The exercise of jurisdiction over Defendants would not offend traditional notions of fair play and substantial justice.

13. Almost every employee, member/manager and agent of Plaintiff resides on the East Coast in or near Delaware, including in Virginia, Pennsylvania and Maryland.

14. TCL conceded personal jurisdiction and venue in Delaware under 28 U.S.C. §1400(b) in defending a currently pending claim of patent infringement in *Koninklijke KPN N.V.*

*v. TCL Communication, Inc. et al.*, 1:17-cv-00091-LPS-CJB (DED Wilmington, January 30, 2017).

### **BACKGROUND**

15. The technology claimed in the patent asserted in this action was invented during the research and development activities of the Rockwell family of companies, including Rockwell Semiconductors Systems, Inc., Conexant Systems, Inc. (“Conexant”), and Mindspeed Technologies, Inc. (“Mindspeed”). In 1998, Rockwell International spun off its Rockwell Semiconductor group and renamed it Conexant. Conexant inherited Rockwell’s mixed signal semiconductor expertise and intellectual property portfolio, and was focused on developing semiconductor products for a broad range of communications networks. Conexant’s Internet Infrastructure group was incorporated as a wholly-owned subsidiary named Mindspeed Technologies, Inc. (“Mindspeed”) in 2001 and spun-off as an independent entity in 2003. Mindspeed’s focus was on semiconductor and software solutions for Internet access devices, switching fabric, and network processors.

16. Plaintiff is the owner of the patent asserted in this action and has the exclusive right to sue and collect remedies for past, present, and future infringement of the patent.

17. Plaintiff assumed all the rights and obligations related to the patent from Modern Telecom Systems, LLC (“MTS-CA”), a California limited liability company, which had assumed all the rights and obligations related to the patent from Glocom Patents Licensing, LLC, which had assumed all the rights and obligations related to the patent from V-Dot Technologies, LLC (formerly, V-Dot Technologies, Limited) (“VDOT”), which had assumed all the rights and obligations related to these patents from

Telecom Technology Licensing, LLC (“TTL”), which had assumed all the rights and obligations related to the patent from Mindspeed. Conexant, the assignee identified on the face of the patent, assigned the patent to Mindspeed in an assignment dated June 27, 2003.

**INFRINGEMENT OF U.S. PATENT NO. 6,504,886**

18. The allegations set forth in the foregoing paragraphs 1 through 17 are incorporated by reference into this claim for relief.

19. On January 7, 2003, U.S. Patent No. 6,504,886 (“the ‘886 Patent”), entitled “Communication of an Impairment Learning Sequence According to an Impairment Learning Sequence Descriptor,” was duly and legally issued by the United States Patent and Trademark Office. A true and correct copy of the ‘886 Patent is attached as Exhibit 1.

20. The ‘886 Patent issued from United States Patent Application No. 09/956,207 (“the ‘207 Application”), filed on September 19, 2001. The ‘207 Application is a Continuation of U.S. Patent Application No. 08/969,971, entitled “Method and Apparatus for Generating a Line Impairment Learning Signal for a Data Communication System,” filed November 13, 1997, now U.S. Patent No. 6,332,009, which is a Continuation-In-Part of U.S. Patent Application No. 08/922,851, entitled “Method and Apparatus for Generating a Programmable Synchronization Signal for a Data Communication System,” filed September 3, 1997, now U.S. Patent No. 6,212,247.

21. Plaintiff is the assignee and owner of the right, title, and interest in and to the ‘886 Patent, including the right to assert all causes of action arising under the ‘886 Patent and the right to any remedies for infringement of the ‘886 Patent.

22. Defendants have infringed and continue to infringe the '886 Patent under 35 U.S.C. § 271, 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, infringing products without authorization (hereafter "Infringing Instrumentalities"). At a minimum, Infringing Instrumentalities include all TCL smartphones and other mobile telecommunication devices that operate pursuant to Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications of IEEE Std 802.11™ -2012 and IEEE Std 802.11™ -2009 (collectively, the relevant "Wi-Fi Standard"). This includes products like the Blackberry PRIV which is configured to operate pursuant to the Wi-Fi Standard.

23. Defendants directly infringed and continue to directly infringe at least claim 18<sup>1</sup> of the '886 Patent by making, using, selling, offering to sell, importing and/or providing and causing to be used the Blackberry PRIV which satisfies, literally or under the doctrine of equivalents, each and every claim limitation of claim 18 of the '886 Patent. The correspondence between the limitations of claim 18 of the '886 Patent and the Blackberry PRIV is shown in the claim chart attached hereto as Exhibit 2. The claim chart is incorporated by reference as if set forth herein. The citations to the Wi-Fi Standard in the claim chart are required for a product configured to operate pursuant to the Wi-Fi Standard. Additional details relating to the Blackberry PRIV and its infringement are within the possession, custody or control of Defendants.

24. TCL provides users of the Blackberry PRIV with instructions on how to connect to a Wi-Fi network and markets Wi-Fi connectivity in their promotional materials for the

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<sup>1</sup> Plaintiff reserves the right to identify additional asserted claims and accused products as this litigation proceeds. For example, Plaintiff expressly reserves the right to identify additional asserted claims and accused products in its infringement contentions to be served during the discovery process.

Blackberry PRIV. To connect to a Wi-Fi network, the Blackberry PRIV needs to operate pursuant to the Wi-Fi Standard and the required portions of the Wi-Fi Standard necessarily practice at least claim 18 of the '886 Patent.

25. On information and belief, the identified structure and functionality of the Blackberry PRIV that are shown in the claim chart are representative of the structure and functionality present in all Infringing Instrumentalities including but not limited to TCL's products with the following designations or trade names: Alcatel IDOL 4S with Windows 10, Alcatel Go Flip, Alcatel A30, Alcatel IDOL 4S with Android, Alcatel Linkzone, Alcatel Onetouch POP 7 LTE Tablet, Alcatel Onetouch Pixi 7 Tablet TCL, Alcatel Onetouch Pixi 7 4G LTE Tablet, AT&T Trek HD 4G LTE Tablet, Blackberry Keyone, Blackberry DTEK60/DTEK50, Blackberry Passport, and Blackberry Leap. On information and belief, any other product of TCL that operates pursuant to the Wi-Fi Standard is also an Infringing Instrumentality. Additional details relating to Infringing Instrumentalities and their infringement are within the possession, custody or control of Defendants.

26. Plaintiff offers this preliminary identification of infringement without the benefit of discovery or claim construction in this action, and expressly reserves the right to augment, supplement, and revise its identification of infringement based on additional information obtained through discovery or otherwise.

27. On information and belief, Defendants had knowledge and became aware that their products that operate pursuant to the Wi-Fi Standard infringe the '886 Patent prior to the filing of this Complaint. Discovery in this matter may reveal that Defendants are liable for willful infringement and/or have induced others to infringe the '886 Patent.

28. Defendants' acts of infringement have caused damage to Plaintiff, and Plaintiff is entitled to recover from Defendants the damages it has sustained as a result of Defendants' wrongful acts in an amount subject to proof at trial.

**JURY DEMAND**

29. Plaintiff requests a jury trial of all issues in this action so triable.

**PRAYER FOR RELIEF**

WHEREFORE, Plaintiff prays for judgment as follows:

- A. Declaring that Defendants have infringed the '886 Patent.
- B. Awarding damages arising out of Defendants' infringement of the '886 Patent to MTS, together with prejudgment and post-judgment interest, in an amount according to proof.
- C. Awarding attorneys' fees to MTS pursuant to 35 U.S.C. § 285 or as otherwise permitted by law.
- D. Awarding such other costs and further relief as the Court may deem just and proper.

DATED: January 23, 2018

**KLEHR HARRISON  
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