

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

Cedar Lane Technologies Inc., Plaintiff, v. T-Mobile USA, Inc., Defendant.	Case No. 6:20-cv-00988-ADA Patent Case Jury Trial Demanded
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FIRST AMENDED COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff Cedar Lane Technologies Inc. (“Plaintiff”), through its attorneys, complains of T-Mobile USA, Inc. (“Defendant”), and alleges the following:

PARTIES

1. Plaintiff Cedar Lane Technologies Inc. is a corporation organized and existing under the laws of Canada that maintains its principal place of business at 560 Baker Street, Suite 1, Nelson, BC V1L 4H9.

2. Defendant T-Mobile USA, Inc. is a corporation organized and existing under the laws of Delaware that maintains an established place of business at 2795 E. 7th St, Austin, TX, 78702.

JURISDICTION

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

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

5. This Court has personal jurisdiction over Defendant because it has engaged in systematic and continuous business activities in this District. As described below, Defendant has committed acts of patent infringement giving rise to this action within this District.

VENUE

6. Venue is proper in this District under 28 U.S.C. § 1400(b) because Defendant has committed acts of patent infringement in this District, and has an established place of business in this District.

PATENTS-IN-SUIT

7. Plaintiff is the assignee of all right, title and interest in United States Patent Nos. 6,473,527; 6,516,147; 6,526,411; 6,566,805; 6,721,489; 6,972,774; 6,972,790; 7,173,177; 7,292,261; 7,642,443; 8,537,242; 9,961,264 (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, Plaintiff possesses the exclusive right and standing to prosecute the present action for infringement of the Patents-in-Suit by Defendant.

THE ’527 PATENT

8. The ’527 Patent is entitled “Module and method for interfacing analog/digital converting means and JPEG compression means,” and issued 10/29/2002. The application leading to the ’527 Patent was filed on 06/01/1999. A true and correct copy of the ’527 Patent is attached hereto as Exhibit 1 and incorporated herein by reference.

9. The ’527 Patent is valid and enforceable.

THE ’147 PATENT

10. The ’147 Patent is entitled “Scene recognition method and system using brightness and ranging mapping,” and issued 02/04/2003. The application leading to the ’147

Patent was filed on 12/19/2000. A true and correct copy of the '147 Patent is attached hereto as Exhibit 2 and incorporated herein by reference.

11. The '147 Patent is valid and enforceable.

THE '411 PATENT

12. The '411 Patent is entitled "System and method for creating dynamic playlists," and issued 02/25/2003. The application leading to the '411 Patent was filed on 11/15/2000. A true and correct copy of the '411 Patent is attached hereto as Exhibit 3 and incorporated herein by reference.

13. The '411 Patent is valid and enforceable.

THE '805 PATENT

14. The '805 Patent is entitled "Organic electro-luminescent device with first and second composite layers," and issued 05/20/2003. The application leading to the '805 Patent was filed on 09/28/2000. A true and correct copy of the '805 Patent is attached hereto as Exhibit 4 and incorporated herein by reference.

15. The '805 Patent is valid and enforceable.

THE '489 PATENT

16. The '489 Patent is entitled "Play list manager," and issued 04/13/2004. The application leading to the '489 Patent was filed on 03/08/2000. A true and correct copy of the '489 Patent is attached hereto as Exhibit 5 and incorporated herein by reference.

17. The '489 Patent is valid and enforceable.

THE '774 PATENT

18. The '774 Patent is entitled "Image processing system for inserting plurality of images into composite area, and medium," and issued 12/06/2005. The application leading to

the '774 Patent was filed on 12/18/2000. A true and correct copy of the '774 Patent is attached hereto as Exhibit 6 and incorporated herein by reference.

19. The '774 Patent is valid and enforceable.

THE '790 PATENT

20. The '790 Patent is entitled "Host interface for imaging arrays," and issued 12/06/2005. The application leading to the '790 Patent was filed on 12/21/2000. A true and correct copy of the '790 Patent is attached hereto as Exhibit 7 and incorporated herein by reference.

21. The '790 Patent is valid and enforceable.

THE '177 PATENT

22. The '177 Patent is entitled "User interface for simultaneous management of owned and unowned inventory," and issued 02/06/2007. The application leading to the '177 Patent was filed on 10/29/2003. A true and correct copy of the '177 Patent is attached hereto as Exhibit 8 and incorporated herein by reference.

23. The '177 Patent is valid and enforceable.

THE '261 PATENT

24. The '261 Patent is entitled "Virtual reality camera," and issued 11/06/2007. The application leading to the '261 Patent was filed on 08/20/1999. A true and correct copy of the '261 Patent is attached hereto as Exhibit 9 and incorporated herein by reference.

25. The '261 Patent is valid and enforceable.

THE '443 PATENT

26. The '443 Patent is entitled "User interface for simultaneous management of owned and unowned inventory," and issued 01/05/2010. The application leading to the '443

Patent was filed on 08/29/2006. A true and correct copy of the '443 Patent is attached hereto as Exhibit 10 and incorporated herein by reference.

27. The '443 Patent is valid and enforceable.

THE '242 PATENT

28. The '242 Patent is entitled "Host interface for imaging arrays," and issued 09/17/2013. The application leading to the '242 Patent was filed on 10/27/2005. A true and correct copy of the '242 Patent is attached hereto as Exhibit 11 and incorporated herein by reference.

29. The '242 Patent is valid and enforceable.

THE '264 PATENT

30. The '264 Patent is entitled "Virtual reality camera," and issued 05/01/2018. The application leading to the '264 Patent was filed on 08/29/2011. A true and correct copy of the '264 Patent is attached hereto as Exhibit 12 and incorporated herein by reference.

31. The '264 Patent is valid and enforceable.

COUNT 1: INFRINGEMENT OF THE '527 PATENT

32. Plaintiff incorporates the above paragraphs herein by reference.

33. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '527 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '527 Patent also identified in the charts incorporated into this Count below (the "Exemplary '527 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the

claims of the '527 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

34. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '527 Patent Claims, by having its employees internally test and use these Exemplary Products.

35. Exhibit 13 includes charts comparing the Exemplary '527 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '527 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '527 Patent Claims.

36. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 13.

37. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 2: INFRINGEMENT OF THE '147 PATENT

38. Plaintiff incorporates the above paragraphs herein by reference.

39. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '147 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '147 Patent also identified in the charts incorporated into this Count below (the "Exemplary '147 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the

claims of the '147 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

40. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '147 Patent Claims, by having its employees internally test and use these Exemplary Products.

41. **Actual Knowledge of Infringement.** The service of the Original Complaint upon Defendant constituted actual knowledge of infringement as alleged here.

42. Despite such actual knowledge, Defendant continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe the '147 Patent. On information and belief, Defendant has also continued to sell the Exemplary Defendant Products and distribute product literature and website materials inducing end users and others to use its products in the customary and intended manner that infringes the '147 Patent. *See* Exhibit 14 (described below).

43. **Induced Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues to induce infringement of the '147 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '147 Patent.

44. **Contributory Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues materially contribute to their own customers infringement of the '147 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '147 Patent. The Exemplary Defendant Products are especially made or adapted for infringing the '147 Patent and have no substantial non-infringing use. For example, in view

of the preceding paragraphs, the Exemplary Defendant Products contain functionality which is material to at least one claim of the '147 Patent.

45. Exhibit 14 includes charts comparing the Exemplary '147 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '147 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '147 Patent Claims.

46. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 14.

47. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 3: INFRINGEMENT OF THE '411 PATENT

48. Plaintiff incorporates the above paragraphs herein by reference.

49. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '411 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '411 Patent also identified in the charts incorporated into this Count below (the "Exemplary '411 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '411 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

50. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '411 Patent Claims, by having its employees internally test and use these Exemplary Products.

51. **Actual Knowledge of Infringement.** The service of the Original Complaint upon Defendant constituted actual knowledge of infringement as alleged here.

52. Despite such actual knowledge, Defendant continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe the '411 Patent. On information and belief, Defendant has also continued to sell the Exemplary Defendant Products and distribute product literature and website materials inducing end users and others to use its products in the customary and intended manner that infringes the '411 Patent. *See* Exhibit 15 (described below).

53. **Induced Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues to induce infringement of the '411 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '411 Patent.

54. **Contributory Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues materially contribute to their own customers infringement of the '411 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '411 Patent. The Exemplary Defendant Products are especially made or adapted for infringing the '411 Patent and have no substantial non-infringing use. For example, in view of the preceding paragraphs, the Exemplary Defendant Products contain functionality which is material to at least one claim of the '411 Patent.

55. Exhibit 15 includes charts comparing the Exemplary '411 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '411 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '411 Patent Claims.

56. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 15.

57. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 4: INFRINGEMENT OF THE '805 PATENT

58. Plaintiff incorporates the above paragraphs herein by reference.

59. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '805 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '805 Patent also identified in the charts incorporated into this Count below (the "Exemplary '805 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '805 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

60. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '805 Patent Claims, by having its employees internally test and use these Exemplary Products.

61. **Actual Knowledge of Infringement.** The service of the Original Complaint upon Defendant constituted actual knowledge of infringement as alleged here.

62. Despite such actual knowledge, Defendant continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe the '805 Patent. On information and belief, Defendant has also continued to sell the Exemplary Defendant Products and distribute product literature and website materials inducing end users and others to use its products in the customary and intended manner that infringes the '805 Patent. *See* Exhibit 16 (described below).

63. **Induced Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues to induce infringement of the '805 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '805 Patent.

64. **Contributory Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues materially contribute to their own customers infringement of the '805 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '805 Patent. The Exemplary Defendant Products are especially made or adapted for infringing the '805 Patent and have no substantial non-infringing use. For example, in view of the preceding paragraphs, the Exemplary Defendant Products contain functionality which is material to at least one claim of the '805 Patent.

65. Exhibit 16 includes charts comparing the Exemplary '805 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '805 Patent. Accordingly, the Exemplary

Defendant Products incorporated in these charts satisfy all elements of the Exemplary '805 Patent Claims.

66. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 16.

67. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 5: INFRINGEMENT OF THE '489 PATENT

68. Plaintiff incorporates the above paragraphs herein by reference.

69. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '489 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '489 Patent also identified in the charts incorporated into this Count below (the "Exemplary '489 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '489 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

70. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '489 Patent Claims, by having its employees internally test and use these Exemplary Products.

71. Exhibit 17 includes charts comparing the Exemplary '489 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '489 Patent. Accordingly, the Exemplary

Defendant Products incorporated in these charts satisfy all elements of the Exemplary '489 Patent Claims.

72. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 17.

73. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 6: INFRINGEMENT OF THE '774 PATENT

74. Plaintiff incorporates the above paragraphs herein by reference.

75. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '774 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '774 Patent also identified in the charts incorporated into this Count below (the "Exemplary '774 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '774 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

76. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '774 Patent Claims, by having its employees internally test and use these Exemplary Products.

77. **Actual Knowledge of Infringement.** The service of the Original Complaint upon Defendant constituted actual knowledge of infringement as alleged here.

78. Despite such actual knowledge, Defendant continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe the '774 Patent. On information and belief, Defendant has also continued to sell the Exemplary Defendant Products and distribute product literature and website materials inducing end users and others to use its products in the customary and intended manner that infringes the '774 Patent. *See* Exhibit 18 (described below).

79. **Induced Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues to induce infringement of the '774 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '774 Patent.

80. **Contributory Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues materially contribute to their own customers infringement of the '774 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '774 Patent. The Exemplary Defendant Products are especially made or adapted for infringing the '774 Patent and have no substantial non-infringing use. For example, in view of the preceding paragraphs, the Exemplary Defendant Products contain functionality which is material to at least one claim of the '774 Patent.

81. Exhibit 18 includes charts comparing the Exemplary '774 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '774 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '774 Patent Claims.

82. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 18.

83. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 7: INFRINGEMENT OF THE '790 PATENT

84. Plaintiff incorporates the above paragraphs herein by reference.

85. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '790 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '790 Patent also identified in the charts incorporated into this Count below (the "Exemplary '790 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '790 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

86. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '790 Patent Claims, by having its employees internally test and use these Exemplary Products.

87. **Actual Knowledge of Infringement.** The service of the Original Complaint upon Defendant constituted actual knowledge of infringement as alleged here.

88. Despite such actual knowledge, Defendant continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe the '790 Patent. On information and belief, Defendant has also continued to sell the Exemplary

Defendant Products and distribute product literature and website materials inducing end users and others to use its products in the customary and intended manner that infringes the '790 Patent. *See* Exhibit 19 (described below).

89. **Induced Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues to induce infringement of the '790 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '790 Patent.

90. **Contributory Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues materially contribute to their own customers infringement of the '790 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '790 Patent. The Exemplary Defendant Products are especially made or adapted for infringing the '790 Patent and have no substantial non-infringing use. For example, in view of the preceding paragraphs, the Exemplary Defendant Products contain functionality which is material to at least one claim of the '790 Patent.

91. Exhibit 19 includes charts comparing the Exemplary '790 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '790 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '790 Patent Claims.

92. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 19.

93. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 8: INFRINGEMENT OF THE '177 PATENT

94. Plaintiff incorporates the above paragraphs herein by reference.

95. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '177 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '177 Patent also identified in the charts incorporated into this Count below (the "Exemplary '177 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '177 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

96. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '177 Patent Claims, by having its employees internally test and use these Exemplary Products.

97. **Actual Knowledge of Infringement.** The service of the Original Complaint upon Defendant constituted actual knowledge of infringement as alleged here.

98. Despite such actual knowledge, Defendant continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe the '177 Patent. On information and belief, Defendant has also continued to sell the Exemplary Defendant Products and distribute product literature and website materials inducing end users

and others to use its products in the customary and intended manner that infringes the '177 Patent. *See* Exhibit 20 (described below).

99. **Induced Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues to induce infringement of the '177 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '177 Patent.

100. **Contributory Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues materially contribute to their own customers infringement of the '177 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '177 Patent. The Exemplary Defendant Products are especially made or adapted for infringing the '177 Patent and have no substantial non-infringing use. For example, in view of the preceding paragraphs, the Exemplary Defendant Products contain functionality which is material to at least one claim of the '177 Patent.

101. Exhibit 20 includes charts comparing the Exemplary '177 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '177 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '177 Patent Claims.

102. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 20.

103. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 9: INFRINGEMENT OF THE '261 PATENT

104. Plaintiff incorporates the above paragraphs herein by reference.

105. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '261 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '261 Patent also identified in the charts incorporated into this Count below (the "Exemplary '261 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '261 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

106. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '261 Patent Claims, by having its employees internally test and use these Exemplary Products.

107. Exhibit 21 includes charts comparing the Exemplary '261 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '261 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '261 Patent Claims.

108. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 21.

109. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 10: INFRINGEMENT OF THE '443 PATENT

110. Plaintiff incorporates the above paragraphs herein by reference.

111. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '443 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '443 Patent also identified in the charts incorporated into this Count below (the "Exemplary '443 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '443 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

112. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '443 Patent Claims, by having its employees internally test and use these Exemplary Products.

113. Exhibit 22 includes charts comparing the Exemplary '443 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '443 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '443 Patent Claims.

114. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 22.

115. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 11: INFRINGEMENT OF THE '242 PATENT

116. Plaintiff incorporates the above paragraphs herein by reference.

117. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '242 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '242 Patent also identified in the charts incorporated into this Count below (the "Exemplary '242 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '242 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

118. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '242 Patent Claims, by having its employees internally test and use these Exemplary Products.

119. **Actual Knowledge of Infringement.** The service of the Original Complaint upon Defendant constituted actual knowledge of infringement as alleged here.

120. Despite such actual knowledge, Defendant continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe the '242 Patent. On information and belief, Defendant has also continued to sell the Exemplary Defendant Products and distribute product literature and website materials inducing end users and others to use its products in the customary and intended manner that infringes the '242 Patent. *See* Exhibit 23 (described below).

121. **Induced Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues to induce infringement of the '242 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '242 Patent.

122. **Contributory Infringement.** Defendant therefore actively, knowingly, and intentionally has been and continues materially contribute to their own customers infringement of the '242 Patent, literally or by the doctrine of equivalents, by selling Exemplary Defendant Products to their customers for use in end-user products in a manner that infringes one or more claims of the '242 Patent. The Exemplary Defendant Products are especially made or adapted for infringing the '242 Patent and have no substantial non-infringing use. For example, in view of the preceding paragraphs, the Exemplary Defendant Products contain functionality which is material to at least one claim of the '242 Patent.

123. Exhibit 23 includes charts comparing the Exemplary '242 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '242 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '242 Patent Claims.

124. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 23.

125. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

COUNT 12: INFRINGEMENT OF THE '264 PATENT

126. Plaintiff incorporates the above paragraphs herein by reference.

127. **Direct Infringement.** Defendant has been and continues to directly infringe one or more claims of the '264 Patent in at least this District by making, using, offering to sell, selling and/or importing, without limitation, at least the Defendant products identified in the charts incorporated into this Count below (among the "Exemplary Defendant Products") that infringe at least the exemplary claims of the '264 Patent also identified in the charts incorporated into this Count below (the "Exemplary '264 Patent Claims") literally or by the doctrine of equivalents. On information and belief, numerous other devices that infringe the claims of the '264 Patent have been made, used, sold, imported, and offered for sale by Defendant and/or its customers.

128. Defendant also has and continues to directly infringe, literally or under the doctrine of equivalents, the Exemplary '264 Patent Claims, by having its employees internally test and use these Exemplary Products.

129. Exhibit 24 includes charts comparing the Exemplary '264 Patent Claims to the Exemplary Defendant Products. As set forth in these charts, the Exemplary Defendant Products practice the technology claimed by the '264 Patent. Accordingly, the Exemplary Defendant Products incorporated in these charts satisfy all elements of the Exemplary '264 Patent Claims.

130. Plaintiff therefore incorporates by reference in its allegations herein the claim charts of Exhibit 24.

131. Plaintiff is entitled to recover damages adequate to compensate for Defendants infringement.

JURY DEMAND

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

PRAYER FOR RELIEF

WHEREFORE, Plaintiff respectfully requests the following relief:

- A. A judgment that the '527 Patent is valid and enforceable
- B. A judgment that the '147 Patent is valid and enforceable
- C. A judgment that the '411 Patent is valid and enforceable
- D. A judgment that the '805 Patent is valid and enforceable
- E. A judgment that the '489 Patent is valid and enforceable
- F. A judgment that the '774 Patent is valid and enforceable
- G. A judgment that the '790 Patent is valid and enforceable
- H. A judgment that the '177 Patent is valid and enforceable
- I. A judgment that the '261 Patent is valid and enforceable
- J. A judgment that the '443 Patent is valid and enforceable
- K. A judgment that the '242 Patent is valid and enforceable
- L. A judgment that the '264 Patent is valid and enforceable
- M. A judgment that Defendant has infringed directly one or more claims of the '527 Patent;
- N. A judgment that Defendant has infringed directly, contributorily, and/or induced infringement of one or more claims of the '147 Patent;
- O. A judgment that Defendant has infringed directly, contributorily, and/or induced infringement of one or more claims of the '411 Patent;
- P. A judgment that Defendant has infringed directly, contributorily, and/or induced infringement of one or more claims of the '805 Patent;
- Q. A judgment that Defendant has infringed directly one or more claims of the '489 Patent;

- R. A judgment that Defendant has infringed directly, contributorily, and/or induced infringement of one or more claims of the '774 Patent;
- S. A judgment that Defendant has infringed directly, contributorily, and/or induced infringement of one or more claims of the '790 Patent;
- T. A judgment that Defendant has infringed directly, contributorily, and/or induced infringement of one or more claims of the '177 Patent;
- U. A judgment that Defendant has infringed directly one or more claims of the '261 Patent;
- V. A judgment that Defendant has infringed directly one or more claims of the '443 Patent;
- W. A judgment that Defendant has infringed directly, contributorily, and/or induced infringement of one or more claims of the '242 Patent;
- X. A judgment that Defendant has infringed directly one or more claims of the '264 Patent;
- Y. An accounting of all damages not presented at trial;
- Z. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '527 Patent.
- AA. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '147 Patent.
- BB. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '411 Patent.
- CC. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '805 Patent.

- DD. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '489 Patent.
- EE. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '774 Patent.
- FF. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '790 Patent.
- GG. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '177 Patent.
- HH. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '261 Patent.
- II. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '443 Patent.
- JJ. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '242 Patent.
- KK. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants past infringement with respect to the '264 Patent.
- LL. A judgment that awards Plaintiff all appropriate damages under 35 U.S.C. § 284 for Defendants continuing or future infringement, up until the date such judgment is entered with respect to the '147; '411; '805; '774; '790; '177; '242 Patents, including pre- or post-judgment interest, costs, and disbursements as justified under 35 U.S.C. § 284;
- MM. And, if necessary, to adequately compensate Plaintiff for Defendants infringement, an accounting:

- i. that this case be declared exceptional within the meaning of 35 U.S.C. § 285 and that Plaintiff be awarded its reasonable attorneys fees against Defendant that it incurs in prosecuting this action;
- ii. that Plaintiff be awarded costs, and expenses that it incurs in prosecuting this action; and
- iii. that Plaintiff be awarded such further relief at law or in equity as the Court deems just and proper.

Dated: November 2, 2020

Respectfully submitted,

/s/ Isaac Rabicoff

Isaac Rabicoff

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