

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

**ELECTRONIC EDISON TRANSMISSION
TECHNOLOGIES, LLC,**

Plaintiff,

v.

**SAMSUNG ELECTRONICS CO.,
LTD AND
SAMSUNG ELECTRONICS
AMERICA, INC.,**

Defendants.

CASE NO. 2:24-cv-105

JURY TRIAL DEMANDED

ORIGINAL COMPLAINT FOR PATENT INFRINGEMENT

Electronic Edison Transmission Technologies, LLC (“Plaintiff” and/or “EETT”) files this complaint against Samsung Electronics Co., LTD (“SEC”) and Samsung Electronics America, Inc. (“SEA”), (collectively, “Defendants” and/or “Samsung”) for infringement of U.S. Patent Nos. 9,448,603 (“the ’603 Patent”), 9,871,415 (“the ’415 Patent”) and 10,454,305 (“the ’305 Patent”), and alleges as follows:

THE PARTIES

1. Plaintiff is a Wyoming company having its principal place of business in Cheyenne, Wyoming.
2. Upon information and belief, Defendant Samsung Electronics Co., LTD is a company organized and existing under the laws of the Republic of Korea with its principal offices at 250, 2-ga, Taepyong-ro, Jung-gu, Seoul, 100-742, South Korea.

3. Upon information and belief, Defendant Samsung Electronics America, Inc. is a wholly owned subsidiary of SEC and is organized and existing under the laws of New York with a principal place of business at 85 Challenger Road, Ridgefield Park, New Jersey 07660. Samsung Electronics America, Inc. may be served through its registered agent, CT Corporation System, at 1999 Bryan St., Suite 900, Dallas, TX 75201-3136.

JURISDICTION AND VENUE

4. This action arises under the patent laws of the United States, 35 U.S.C. § 271 *et seq.* Plaintiff is seeking damages, as well as attorney fees and costs.
5. Jurisdiction is proper in this Court pursuant to 28 U.S.C. §§ 1331, 1332, 1338, and 1367.
6. On information and belief, this Court has personal jurisdiction over Samsung because Samsung has committed, and continues to commit, acts of infringement in this District, has conducted business in this District, and/or has engaged in continuous and systematic activities in this District.
7. More specifically, Samsung, directly and/or through intermediaries, ship, distribute, use, offer for sale, sell, and/or advertise products and services in the United States, the State of Texas, and the Eastern District of Texas including but not limited to the Products as detailed below. Upon information and belief, Samsung has committed patent infringement in the State of Texas and in the Eastern District of Texas. Samsung solicits and has solicited customers in the State of Texas and in the Eastern District of Texas. Samsung has paying customers, who are residents of the State of Texas and the Eastern District of Texas, who each use and have used the Samsung's products and services in the State of Texas and in the Eastern District of Texas.

8. On information and belief, Samsung's instrumentalities that are alleged herein to infringe were and continue to be used, imported, offered for sale, and/or sold in this District.
9. Venue is proper in this judicial district as to SEC pursuant to 28 U.S.C. §§ 1391(c)(3) because SEC is not a resident of the United States and therefore may be sued in any judicial district.
10. Venue is proper in this judicial district as to SEA pursuant to at least 28 U.S.C. §§ 1391(c)(2) and 1400(b) because SEC is registered to do business in Texas and has maintained regular and established places of business with offices and/or other facilities in this District at least at 6625 Excellence Way, Plano, Texas 75023 and 2601 Preston Road, Frisco, Texas 75034.

PATENTS-IN-SUIT

11. Plaintiff is the sole and exclusive owner, by assignment, of the '603 Patent, the '415 Patent and the '305 Patent (hereinafter referred to as "the EETT Patents").
12. On September 20, 2016, the United States Patent and Trademark Office ("USPTO") duly and legally issued the '603 Patent, entitled "Transferring Power to a Mobile Device." The '603 Patent is attached as Exhibit A.
13. On January 16, 2018, the USPTO duly and legally issued the '415 Patent, entitled "Transferring Power to a Mobile Device." The '415 Patent is attached as Exhibit B.
14. On October 22, 2019, the USPTO duly and legally issued the '305 Patent, entitled "Transferring Power to a Mobile Device." The '305 Patent is attached as Exhibit C.
15. Plaintiff possesses all rights of recovery under the EETT Patents, including the exclusive right to recover for past, present and future infringement.

16. The '603 Patent contains nine claims including three independent claims (claims 1, 6 and 8) and six dependent claims.
17. The '415 Patent contains six claims including two independent claims (claims 1 and 6) and four dependent claims.
18. The '305 Patent contains five claims including two independent claims (claims 1 and 4) and three dependent claims.
19. The priority date of the EETT Patents is at least as early as September 3, 2011. As of the priority date, the inventions as claimed were novel, non-obvious, unconventional, and non-routine.
20. Plaintiff alleges infringement on the part of Samsung of the EETT Patents.
21. The EETT Patents teach systems and methods for transferring power to a receptor mobile device from donor mobile device using wireless power transfer mechanisms on the donor and receptor mobile devices, and converting received power at the receptor mobile device into electrical current using the wireless power transfer mechanism at the receptor mobile device. *See* '603 Patent, Col. 1, lines 35-63.
22. The '603 Patent was examined by Primary United States Patent Jared Fureman. During the examination of the '603 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: G06F 1/266; H02J 5/005; H02J 17/00; and H02J 7/025.
23. After conducting a search for prior art during the examination of the '603 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the search: US 2004/0213463; US 2009/0108679; and US 2013/0026981.

24. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '603 Patent to issue. In so doing, it is presumed that Examiner Fureman used his knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Fureman had experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002). In view of the foregoing, the claims of the '603 Patent are novel and non-obvious, including over all non-cited art which is merely cumulative with the referenced and cited prior art. Likewise, the claims of the '603 Patent are novel and non-obvious, including over all non-cited contemporaneous state of the art systems and methods, all of which would have been known to a person of ordinary skill in the art, and which were therefore presumptively also known and considered by Examiner Fureman.
25. The '415 Patent was also examined by Primary United States Patent Examiner Jared Fureman. During the examination of the '415 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: H02J 50/10; G06F 1/266; H02J 5/005; H02J 7/025; H02J 17/00; and H02J 50/05.
26. After conducting a search for prior art during the examination of the '415 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the search: US 2009/0108679; US 2010/0072825; US 2012/0303980; and US 2013/0026981.

27. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed the claim of the '415 Patent to issue. In so doing, it is presumed that Examiner Fureman used his knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Fureman had experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002). In view of the foregoing, the claims of the '415 Patent are novel and non-obvious, including over all non-cited art which is merely cumulative with the referenced and cited prior art. Likewise, the claims of the '415 Patent are novel and non-obvious, including over all non-cited contemporaneous state of the art systems and methods, all of which would have been known to a person of ordinary skill in the art, and which were therefore presumptively also known and considered by Examiner Fureman.
28. The '305 Patent was also examined by Primary United States Patent Examiner Jared Fureman. During the examination of the '305 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: H02J 50/10; G06F 1/266; H02J 5/005; H02J 7/025; H02J 17/00; H02J 50/05; H02J 50/20; and H02J 50/30.
29. After conducting a search for prior art during the examination of the '305 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the search: US 9,448,603; US 9,871,415; US 2009/0108679; and US 2017/0012478.

30. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed the claim of the '305 Patent to issue. In so doing, it is presumed that Examiner Fureman used his knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Fureman had experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002). In view of the foregoing, the claims of the '305 Patent are novel and non-obvious, including over all non-cited art which is merely cumulative with the referenced and cited prior art. Likewise, the claims of the '305 Patent are novel and non-obvious, including over all non-cited contemporaneous state of the art systems and methods, all of which would have been known to a person of ordinary skill in the art, and which were therefore presumptively also known and considered by Examiner Fureman.
31. The claims of the EETT Patents were all properly issued, and are valid and enforceable for the respective terms of their statutory life through expiration, and are enforceable for purposes of seeking damages for past infringement even post-expiration. *See, e.g., Genetics Institute, LLC v. Novartis Vaccines and Diagnostics, Inc.*, 655 F.3d 1291, 1299 (Fed. Cir. 2011) (“[A]n expired patent is not viewed as having ‘never existed.’ Much to the contrary, a patent does have value beyond its expiration date. For example, an expired patent may form the basis of an action for past damages subject to the six-year limitation under 35 U.S.C. § 286”) (internal citations omitted).

32. The nominal expiration date for the claims of the EETT Patents is no earlier than May 15, 2032.

COUNT I
(Infringement of United States Patent No. 9,448,603)

33. Plaintiff refers to and incorporates the allegations in Paragraphs 1 – 32, the same as if set forth herein.
34. This cause of action arises under the patent laws of the United States and, in particular under 35 U.S.C. §§ 271, *et seq.*
35. Samsung has knowledge of its infringement of the '603 Patent, at least as of the service of the present complaint.
36. The '603 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.
37. Upon information and belief, Samsung has infringed and continues to infringe one or more claims, including at least Claims 1-4 and 8, of the '603 Patent by manufacturing, using, importing, selling, offering for sale, and/or providing (as identified in the Claim Chart attached hereto as Exhibit D) products including, but not limited to, the Galaxy S20 series, Galaxy smartwatches and Galaxy Z fold phones that comprise a feature of 'Wireless PowerShare' or 'Reverse Charging' and are compliant with Qi, a standard for wireless power transfer ("Products"), which infringe at least Claims 1-4 and 8 of the '603 Patent. Samsung has infringed and continues to infringe the '603 patent either directly or through acts of contributory infringement or inducement in violation of 35 U.S.C. § 271.
38. Samsung also has and continues to directly infringe, literally or under the doctrine of equivalents, one or more claims, including at least Claims 1-4 and 8, of the '603 Patent, by having its employees internally test and use these exemplary Products.

39. The service of this Complaint, in conjunction with the attached claim chart and references cited, constitutes actual knowledge of infringement as alleged here.
40. Despite such actual knowledge, Samsung continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe one or more claims, including at least Claims 1-4 and 8, of the '603 Patent. On information and belief, Samsung has also continued to sell the exemplary 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 one or more claims, including at least Claims 1-4 and 8, of the '603 Patent. *See* Exhibit D (extensively referencing these materials to demonstrate how they direct end users to commit patent infringement).
41. At least since being served by this Complaint and corresponding claim chart, Samsung has actively, knowingly, and intentionally continued to induce infringement of the '603 Patent, literally or by the doctrine of equivalents, by selling exemplary Products to their customers for use in end-user products in a manner that infringes one or more claims, including at least Claims 1-4 and 8, of the '603 Patent.
42. Exhibit D includes at least one chart comparing the exemplary Claims 1-4 and 8 of the '603 Patent to Samsung's exemplary Products. As set forth in this chart, Samsung's exemplary Products practice the technology claimed by the '603 Patent. Accordingly, the Samsung's exemplary Products incorporated in this chart satisfy all elements of the exemplary Claims 1-4 and 8 of the '603 Patent.
43. Plaintiff therefore incorporates by reference in its allegations herein the claim chart of Exhibit D.

44. Plaintiff is entitled to recover damages adequate to compensate for Samsung's infringement.
45. Samsung's actions complained of herein will continue unless Samsung is enjoined by this court.
46. Samsung's actions complained of herein are causing irreparable harm and monetary damage to Plaintiff and will continue to do so unless and until Samsung is enjoined and restrained by this Court.
47. Plaintiff is in compliance with 35 U.S.C. § 287.

COUNT II
(Infringement of United States Patent No. 9,871,415)

48. Plaintiff refers to and incorporates the allegations in Paragraphs 1 – 47, the same as if set forth herein.
49. This cause of action arises under the patent laws of the United States and, in particular under 35 U.S.C. §§ 271, *et seq.*
50. Samsung has knowledge of its infringement of the '415 Patent, at least as of the service of the present complaint.
51. The '415 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.
52. Upon information and belief, Samsung has infringed and continues to infringe one or more claims, including at least Claims 1-4 and 6, of the '415 Patent by manufacturing, using, importing, selling, offering for sale, and/or providing (as identified in the Claim Chart attached hereto as Exhibit E) products including, but not limited to, the Galaxy S20 series, Galaxy smartwatches and Galaxy Z fold phones that comprise a feature of 'Wireless PowerShare' or 'Reverse Charging' and are compliant with Qi, a standard for wireless

power transfer (“Products”), which infringe at least Claims 1-4 and 6 of the ’415 Patent. Samsung has infringed and continues to infringe the ’415 patent either directly or through acts of contributory infringement or inducement in violation of 35 U.S.C. § 271.

53. Samsung also has and continues to directly infringe, literally or under the doctrine of equivalents, one or more claims, including at least Claims 1-4 and 6, of the ’415 Patent, by having its employees internally test and use these exemplary Products.
54. The service of this Complaint, in conjunction with the attached claim chart and references cited, constitutes actual knowledge of infringement as alleged here.
55. Despite such actual knowledge, Samsung continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe one or more claims, including at least Claims 1-4 and 6, of the ’415 Patent. On information and belief, Samsung has also continued to sell the exemplary 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 one or more claims, including at least Claims 1-4 and 6, of the ’415 Patent. *See Exhibit E* (extensively referencing these materials to demonstrate how they direct end users to commit patent infringement).
56. At least since being served by this Complaint and corresponding claim chart, Samsung has actively, knowingly, and intentionally continued to induce infringement of the ’415 Patent, literally or by the doctrine of equivalents, by selling exemplary Products to their customers for use in end-user products in a manner that infringes one or more claims, including at least Claims 1-4 and 6, of the ’415 Patent.
57. Exhibit E includes at least one chart comparing the exemplary Claims 1-4 and 6 of the ’415 Patent to Samsung’s exemplary Products. As set forth in this chart, Samsung’s exemplary

Products practice the technology claimed by the '415 Patent. Accordingly, Samsung's exemplary Products incorporated in this chart satisfy all elements of the exemplary Claims 1-4 and 6 of the '415 Patent.

58. Plaintiff therefore incorporates by reference in its allegations herein the claim chart of Exhibit E.
59. Plaintiff is entitled to recover damages adequate to compensate for Samsung's infringement.
60. Samsung's actions complained of herein will continue unless Samsung is enjoined by this court.
61. Samsung's actions complained of herein are causing irreparable harm and monetary damage to Plaintiff and will continue to do so unless and until Samsung is enjoined and restrained by this Court.
62. Plaintiff is in compliance with 35 U.S.C. § 287.

COUNT III
(Infringement of United States Patent No. 10,454,305)

63. Plaintiff refers to and incorporates the allegations in Paragraphs 1 – 62, the same as if set forth herein.
64. This cause of action arises under the patent laws of the United States and, in particular under 35 U.S.C. §§ 271, *et seq.*
65. Samsung has knowledge of its infringement of the '305 Patent, at least as of the service of the present complaint.
66. The '305 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.

67. Upon information and belief, Samsung has infringed and continues to infringe one or more claims, including at least Claim 4, of the '305 Patent by manufacturing, using, importing, selling, offering for sale, and/or providing (as identified in the Claim Chart attached hereto as Exhibit E) products including, but not limited to, the Galaxy S20 series, Galaxy smartwatches and Galaxy Z fold phones that comprise a feature of 'Wireless PowerShare' or 'Reverse Charging' and are compliant with Qi, a standard for wireless power transfer ("Products"), which infringe at least Claim 4 of the '305 Patent. Samsung has infringed and continues to infringe the '305 patent either directly or through acts of contributory infringement or inducement in violation of 35 U.S.C. § 271.
68. Samsung also has and continues to directly infringe, literally or under the doctrine of equivalents, one or more claims, including at least Claim 4, of the '305 Patent, by having its employees internally test and use these exemplary Products.
69. The service of this Complaint, in conjunction with the attached claim chart and references cited, constitutes actual knowledge of infringement as alleged here.
70. Despite such actual knowledge, Samsung continues to make, use, test, sell, offer for sale, market, and/or import into the United States, products that infringe one or more claims, including at least Claim 4, of the '305 Patent. On information and belief, Samsung has also continued to sell the exemplary 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 one or more claims, including at least Claim 4, of the '305 Patent. *See* Exhibit F (extensively referencing these materials to demonstrate how they direct end users to commit patent infringement).

71. At least since being served by this Complaint and corresponding claim chart, Samsung has actively, knowingly, and intentionally continued to induce infringement of the '305 Patent, literally or by the doctrine of equivalents, by selling exemplary Products to their customers for use in end-user products in a manner that infringes one or more claims, including at least Claim 4, of the '305 Patent.
72. Exhibit E includes at least one chart comparing the exemplary Claim 4 of the '305 Patent to Samsung's exemplary Products. As set forth in this chart, Samsung's exemplary Products practice the technology claimed by the '305 Patent. Accordingly, Samsung's exemplary Products incorporated in this chart satisfy all elements of the exemplary Claim 4 of the '305 Patent.
73. Plaintiff therefore incorporates by reference in its allegations herein the claim chart of Exhibit F.
74. Plaintiff is entitled to recover damages adequate to compensate for Samsung's infringement.
75. Samsung's actions complained of herein will continue unless Samsung is enjoined by this court.
76. Samsung's actions complained of herein are causing irreparable harm and monetary damage to Plaintiff and will continue to do so unless and until Samsung is enjoined and restrained by this Court.
77. Plaintiff is in compliance with 35 U.S.C. § 287.

PRAYER FOR RELIEF

WHEREFORE, Plaintiff respectfully asks the Court to:

1. Enter judgment for Plaintiff on this Complaint on all cases of action asserted herein;

2. Enter an Order enjoining Samsung, its agents, officers, servants, employees, attorneys, and all persons in active concert or participation with Samsung who receives notice of the order from further infringement of United States Patent Nos. 9,448,603, 9,871,415, and 10,454,305 (or, in the alternative, awarding Plaintiff running royalty from the time judgment going forward);
3. Award Plaintiff damages resulting from Samsung's infringement in accordance with 35 U.S.C. § 284; and
4. Award Plaintiff such further relief to which the Court finds Plaintiff entitled under law or equity.

DEMAND FOR JURY TRIAL

Plaintiff, under Rule 38 of the Federal Rules of Civil Procedure, requests a trial by jury of any issues so triable by right.

Dated: February 16, 2024

Respectfully Submitted,

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