1 IN THE UNITED STATES DISTRICT COURT 2 FOR THE WESTERN DISTRICT OF WASHINGTON HYBRID AUDIO, LLC, 3 Plaintiff, 4 Civil Action No. v. 5 NINTENDO OF AMERICA INC. and **COMPLAINT** 6 NINTENDO CO., LTD., for Patent Infringement 7 Defendants. JURY TRIAL DEMANDED 8 9 Plaintiff Hybrid Audio, LLC ("Hybrid Audio" or "Plaintiff"), for its Complaint against 10 Nintendo of America Inc. ("Nintendo USA") and Nintendo Co., Ltd. ("Nintendo Japan") 11 (collectively referred herein as "Defendants") alleges the following: 12 NATURE OF THE ACTION 13 1. This is an action for patent infringement arising under the Patent Laws of the United 14 States, 35 U.S.C. § 1 et seq. 15 **THE PARTIES** 16 2. Plaintiff Hybrid Audio LLC is a limited liability corporation organized and existing 17 under the laws of Virginia, with its principal place of business at 4041 University Drive, Suite 102, 18 Fairfax, Virginia 22030. 19 Upon information and belief, Nintendo USA is a corporation organized and existing 20 under the laws of the State of Washington with its principal place of business at 4600 150th Ave. 21 NE, Redmond, WA 98052 and a registered agent for service of process at CT Corporation System, 22 711 Capitol Way S, Suite 204, Olympia, WA 98501. 23 24 25 1 COMPLAINT FOR PATENT INFRINGEMENT

- 4. Upon information and belief, Nintendo Japan is a company organized and existing under the laws of Japan with its principal place of business at 11-1 Kamitoba-hokotate-cho, Minami-ku, Kyoto 601-8501, Japan and can be served at that address.
- 5. Upon information and belief, each Defendant sells and offers to sell products and services throughout the United States, including in this judicial district, and introduces products and services into the stream of commerce and that incorporate infringing technology knowing that they would be sold in this judicial district and elsewhere in the United States.

JURISDICTION AND VENUE

- 6. This is an action for patent infringement arising under the Patent Laws of the United States, Title 35 of the United States Code.
 - 7. This Court has subject matter jurisdiction under 28 U.S.C. §§ 1331 and 1338(a).
- 8. Venue is proper in this judicial district under 28 U.S.C. §1400(b). On information and belief,: Nintendo USA is incorporated in the State of Washington.
- 9. On information and belief, each Defendant is subject to this Court's general and specific personal jurisdiction because each Defendant has sufficient minimum contacts within the State of Washington and this District, pursuant to due process and/or the Washington Long Arm Statute because each Defendant purposefully availed itself of the privileges of conducting business in the State of Washington and in this District, because each Defendant regularly conducts and solicits business within the State of Washington and within this District, and because Plaintiff's causes of action arise directly from each of Defendant's business contacts and other activities in the State of Washington and this District. Further, this Court has personal jurisdiction over Nintendo USA because it is incorporated in Washington and has purposely availed itself of the privileges and benefits of the laws of the State of Washington.

BACKGROUND

On February 25, 1997, Aware, Inc. ("Aware") filed an application for patent, Serial

On November 23, 2004, a reissue application was filed for the '909 patent. On April

In April, 2011, Hybrid Audio-Texas filed a patent infringement lawsuit against other

No 08/804,909 ('909 application"), entitled Signal Processing Utilizing a Tree-Structured Array, in

the United States Patent and Trademark Office ("USPTO"). Aware is a corporation existing under

the laws of Massachusetts, with an principal place of business at 40 Middlesex Turnpike, Bedford,

allowed by the USPTO. On June 26, 2001, U.S. Patent No. 6,252,909 (the "909 patent") was duly

29, 2008, the '909 patent reissued with certificate number RE40,281. A copy of that Certificate is

Massachusetts 01730. The '909 application claimed priority to an original application filed on

September 12, 1992. Following prosecution, the pending claims of the '909 application were

and legally issued by USPTO. A copy of the '909 patent is attached as Exhibit 1.

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attached as Exhibit 2.

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12. By assignment dated December 22, 2010, Aware assigned all right, title and interest in the RE40,281 and '909 patent to Hybrid Audio LLC ("Hybrid Audio-Texas").

13. On January 5, 2011, counsel for Hybrid Audio-Texas sent each Defendant a letter providing notice that Hybrid Audio-Texas believed that certain of Defendants' products infringed claims of the RE40,281 patent.

litigation was subsequently resolved against each of those parties.

15. During the pendency of that prior litigation, on June 18, 2012, a request for reexamination of the RE40,281 patent was filed in the USPTO. That request was assigned Reexamination Request No. 90/012,364. That reexamination proceeded, with the result that every

parties, asserting infringement of the RE40,281 patent. (Hybrid Audio LLC v. High Tech Computer

Corp., et. al Case No. 6:11-cv-00195 (E.D. Tex. 2011).) In that case, Hybrid Audio-Texas alleged

that certain elements of so-called "MP3" technology infringed the RE40,281 patent. That prior

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reexamined claim was confirmed. On December 1, 2015, the RE40,281 patent received Reexamination Certificate No. RE40,281 C1, confirming patentability of all of the reexamined claims. A copy of that Reexamination Certificate is attached as Exhibit 3. For convenience, the reexamined C1 patent, including the original '909 patent document and the first RE40,281 patent, are collectively referred to in this Complaint as the "RE281C patent."

- 16. The RE281C patent expired on September 21, 2012, twenty years after the priority filing date of the original parent application. However, Hybrid Audio-Texas was constrained from seeking royalties or filing lawsuits during the pendency of the most recent reexamination, from June, 2012 through December, 2015. At the same time, the entire period from Defendants' notice of the RE281C patent (at that time, the RE40,218 patent) through the patent expiration is within the statutory six year limitation on past damages under 35. U.S.C. § 286.
- 17. By assignment dated March 28, 2016, Hybrid Audio-Texas assigned all right, title and interest in the RE281C patent to Hybrid Audio.
- 18. Accordingly, in the present case, Hybrid Audio is seeking royalties, as set forth below, from the date on which Defendants received notice of their infringement of the RE281C patent, January 5, 2011, to the expiration of the RE281C patent, September 21, 2012.
- 19. The RE281C patent is related to certain signal processing technology. As set forth above, it was previously asserted against certain MP3 technologies.
- 20. MPEG, a working group formally named as ISO/IEC JTC1/SC29/WG11, was established by the ISO/IEC standardization body in 1988 to develop generic (i.e. useful for different applications) standards for the coded representation of moving pictures, associated audio and their combination. Since then, MPEG has undertaken the standardization of compression techniques for video and audio. Originally, its main goal was video coding together with audio coding for digital

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storage media. In the meantime, the MPEG audio coding standard found its way into many different applications.

- 21. On information and belief, certain technology included in what is generally known as "MP3" is set forth in technical standards designated "ISO/IEC 11172-3:1993," ("ISO/IEC 11172-3) and "HE-AACv2-ISO/IEC 14496-3:2009(E)" ("ISO/IEC 14496-3:2009(E)") (these relevant standards are collectively referred to herein as the "MP3 Standards"). Due in large part to the popularity of delivering music through the Internet and other electronic forms of distribution, use of audio files consistent with the MP3 Standards has become widespread.
- 22. Pursuant to relevant policies governing the standards organization, Aware disclosed to the ISO/IEC working group that it might have intellectual property related to one or more of the MP3 Standards. Accordingly, for example, Aware is identified on the "List of patent holders" set forth as Annex H to the ISO/IEC 11172-3 Standard. That Annex H is attached as Exhibit 4.
- 23. Aware agreed, and Hybrid Audio also agrees, to license users of MP3 technology on reasonable, and non-discriminatory (RAND) terms. Hybrid Audio intends to abide by such terms by furnishing a courtesy copy of this Complaint upon filing, in advance of service, so that the Parties may amicably agree to such a RAND royalty. If any of the Defendants contests the obligation to abide by such terms, through action or inaction, then Plaintiff shall proceed against any such Defendant as an unwilling licensee and pursue the highest damages and/or other relief available under the law.
- 24. On information and belief, certain of Defendants' products and services made, used, offered for sale, sold, or imported during the applicable period for which Hybrid Audio seeks royalties practice the MP3 Standards sing hardware and software that is not provided by Microsoft Corporation. These products and services incorporated inventions described and claimed in the

RE281C patent. These products and services include, but are not limited to, the Nintendo Wii and Nintendo DS products.

25. On information and belief, each of these products, as well as other of Defendants' products, practice the MP3 Standards sing hardware and software that is not provided by Microsoft Corporation. All such products made, used, offered for sale, sold, or imported between January 5, 2011 and September 21, 2012 are collectively referred to herein as the "Infringing Instrumentalities."

COUNT I – INFRINGEMENT OF U.S. PATENT NO. RE40,281

- 26. The allegations set forth in the foregoing paragraphs 1 through 25 are incorporated into this First Claim for Relief.
- 27. The inventions of the RE281C patent resolve technical problems related to the use of signal processing technology. For example, the inventions allow parties to provide an improved communication system for sending a sequence of signals on a communications link. Specifically, the communication signals may be arranged to approximate the bands of the human auditory system for audio signal processing applications.
- 28. The claims of the RE281C patent recite one or more inventive concepts that are rooted in signal processing technology, and overcome problems specifically arising in the realm of signal processing technology.
- 29. The claims of the RE281C patent recite an invention that is not merely the routine or conventional use of signal processing technology. Instead, to optimize transmission quality audio applications, signal processing is performed, for example, to approximate the bands of the human auditory system for audio signal processing applications. According to one aspect of the invention, this may be achieved through the utilization of specifically recited sets of filter banks, which interact in specifically recited manners.

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- 30. The technology claimed in the RE281C patent does not preempt all ways of electronically transmitting information, nor preempt the use of all signal processing technology, nor preempt any other well-known or prior art technology.
- 31. Accordingly, each claim of the RE281C patent recites a combination of elements sufficient to ensure that the claim in practice amounts to significantly more than a patent on an ineligible concept.
- 32. Hybrid Audio is the assignee and owner of the right, title and interest in and to the RE281C patent, including the right to assert all causes of action arising under said patents and the right to any remedies for infringement of them, including remedies for past infringements.
- 33. Upon information and belief, each Defendant has and continues to directly infringe at least claims 5-6, 9-13, 15-22, 24-30, 32-35, 38-42, 45-49, 50-51, 53, 55-61, 63, 65-121 of the RE281C patent by making, using, selling, importing and/or providing and causing to be used the Infringing Instrumentalities.
- 34. The Infringing Instrumentalities infringe claim 5 of the RE281C patent. Claim 5 generally recites a signal processing method that includes splitting a signal into subbands using multiple filter banks that form a tree-structured array having a root node and greater than two leaf nodes. Each of the nodes includes a filter bank having greater than two filters, and at least one of the leaf nodes includes a number of filters that differs from the number of filters in another leaf node.
- 35. The Infringing Instrumentalities infringe claim 5 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, § 0.1 Encoding, p.v; ISO/IEC 11172-3, § 0.2 Layers, p.vi; ISO/IEC 11172-3, § 2.1 Definitions, p.5; ISO/IEC 11172-3, § C.1.1.1 Introduction, p.66; ISO/IEC 11172-3, § 2.4.3.4 Layer III, p.33; ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the hybrid filterbank, p.95; ISO/IEC 11172-3, § C.1.3 Analysis subband filter, p.67; ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the

1	hybrid filterbank, p.96; ISO/IEC 11172-3, § 2.4.2.7 Audio data, Layer III, p.26; ISO/IEC 11172-3,
2	§ 2.4.2.7 Audio data, Layer III, p.27; ISO/IEC 14496-3:2009(E), Introduction; ISO/IEC 14496-
3	3:2009(E), § 4.6.18.4 SBR filterbanks, p.238; ISO/IEC 14496-3:2009(E), § 4.6.18.5 SBR tool
4	overview, p.246; ISO/IEC 14496-3:2009(E), § 8.6.4 Parametric stereo, p.42.)
5	36. The Infringing Instrumentalities infringe claim 6 of the RE281C patent. Claim 6
6	generally recites the method of claim 5, wherein at least one of the filter banks is designed to utilize
7	cosine modulation.
8	37. The Infringing Instrumentalities infringe claim 6 of the RE281C patent. (See, e.g.,
9	ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the hybrid filterbank, p.96; ISO/IEC 11172-3, §
10	C.1.3 Analysis subband filter, p.67.)
11	38. The Infringing Instrumentalities infringe claim 9 of the RE281C patent. Claim 9
12	generally recites the method of claim 5, wherein the signal is an audio signal.
13	39. The Infringing Instrumentalities infringe claim 9 of the RE281C. (See, e.g., ISO/IEC
14	11172-3, § 0.1 Encoding, p.v; ISO/IEC 11172-3, § C.1.1.1 Introduction, p.66; ISO/IEC 14496-
15	3:2009(E), § 4.6.18.5 SBR tool overview, p.246; ISO/IEC 14496-3:2009(E), § 8.1 Scope, p.2;
16	ISO/IEC 14496-3:2009(E), § 8.A.1 Overview, p.65; ISO/IEC 14496-3:2009(E), § 8.1 Scope, p.2.)
17	40. The Infringing Instrumentalities infringe claim 10 of the RE281C patent. Claim 10
18	generally recites the method of claim 5, wherein at least one of the filter banks is designed to utilize
19	polyphase components.
20	41. The Infringing Instrumentalities infringe claim 10 of the RE281C patent. (See, e.g.,
21	ISO/IEC 14496-3:2009(E), § 4.B.18.2 Analysis filterbank, p.106; ISO/IEC 11172-3, § 2.1
22	Definitions, p.8; ISO/IEC 14496-3:2009(E), § 4.6.18.4 SBR filterbanks, p.240.)
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- 42. The Infringing Instrumentalities infringe claim 11 of the RE281C patent. Claim 11 generally recites the method of claim 10, wherein the polyphase components are generated using a window comprising 512 samples.
- 43. The Infringing Instrumentalities infringe claim 11 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, § C.1.3 Analysis subband filter, p.67; ISO/IEC 11172-3, Table C.1, p.68-69; ISO/IEC 11172-3, Figure C.4, p.78.)
- 44. The Infringing Instrumentalities infringe claim 12 of the RE281C patent. Claim 12 generally recites a signal processing method that includes splitting a signal into subbands using multiple filter banks connected in a tree-structured array having first and second levels. The first level includes a filter bank having more than two filters. The second level includes at least two second level filter banks, each of which has as its input an output from a different filter in the first level. One of the second level filter banks has a different number of filters than another second level filter bank.
- 45. The Infringing Instrumentalities infringe claim 12 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, § 2.1 Definitions, p.5.; *see also, e.g.*, ISO/IEC 11172-3, § C.1.1.1. Introduction, p.66; ISO/IEC 14496-3:2009(E), § 4.6.18.4 SBR filterbanks, p.238; ISO/IEC 14496-3:2009(E), § 4.6.18.5 SBR tool overview, p.246; ISO/IEC 14496-3:2009(E), § 8.A.3 Decoding process, p.65-66.)
- 46. The Infringing Instrumentalities infringe claim 13 of the RE281C patent. Claim 13 generally recites the method of claim 12, wherein at least one of the filter banks is designed to utilize cosine modulation.
- 47. The Infringing Instrumentalities infringe claim 13 of the RE281C patent. (*See, e.g.,* ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the hybrid filterbank, p.96; ISO/IEC 11172-3, § C.1.3 Analysis subband filter, p.67.)

- 48. The Infringing Instrumentalities infringe claim 15 of the RE281C patent. Claim 15 generally recites the method of claim 12, wherein the signal is an audio signal.
- 49. The Infringing Instrumentalities infringe claim 15 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, § 0.1 Encoding, p.v; ISO/IEC 11172-3, § C.1.1.1 Introduction, p.66; ISO/IEC 14496-3:2009(E), § 4.6.18.5 SBR tool overview, p.246.)
- 50. The Infringing Instrumentalities infringe claim 16 of the RE281C patent. Claim 16 generally recites the method of claim 12, wherein at least one of the filter banks is designed to generate polyphase components.
- 51. The Infringing Instrumentalities infringe claim 16 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, § 2.1 Definitions, p.8; ISO/IEC 14496-3:2009(E), § 4.6.18.4 SBR filterbanks, p.240.)
- 52. The Infringing Instrumentalities infringe claim 17 of the RE281C patent. Claim 17 generally recites the method of claim 16, wherein the polyphase components are generated using a window comprising 512 samples.
- 53. The Infringing Instrumentalities infringe claim 17 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, § C.1.3 Analysis subband filter, p.67.)
- 54. The Infringing Instrumentalities infringe claim 18 of the RE281C patent. Claim 18 generally recites a signal processing method, comprising synthesizing a signal using a plurality of synthesis filter banks connected to form a tree structured array having greater than two leaf nodes and a root node, wherein each of the nodes comprises one synthesis filter bank having greater than two filters, with at least one of the leaf nodes having a number of filters that differs from the number of filters in a second leaf node.
- 55. The Infringing Instrumentalities infringe claim 18 of the RE281C patent. (*See*, e.g., ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, § 2.1 Definitions, p.9; see

1	also e.g., ISO/IEC 11172-3, § 2.4.3.4 Layer III, p.33; ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of	
2	the hybrid filterbank, p.95; ISO/IEC 11172-3, § 2.4.3.4.10 Synthesis filterbank, p.36; see also	
3	e.g., ISO/IEC 11172-3, § 2.4.3.4.10.2 IMDCT, p.36; ISO/IEC 11172-3, § 2.4.3.4.10.3 Windowing,	
4	p.37.)	
5	56. The Infringing Instrumentalities infringe claim 19 of the RE281C patent. Claim 19	
6	generally recites the method of claim 18, wherein at least one of the synthesis filter banks is	
7	designed to utilize polyphase components.	
8	57. The Infringing Instrumentalities infringe claim 19 of the RE281C patent. (<i>See, e.g.</i> ,	
9	ISO/IEC 11172-3, § 2.1 Definitions, p.8.)	
10	58. The Infringing Instrumentalities infringe claim 20 of the RE281C patent. Claim 20	
11	generally recites the method of claim 19, wherein the polyphase components are generated using a	
12	window length of 512 samples.	
13	59. The Infringing Instrumentalities infringe claim 20 of the RE281C patent. (See, e.g.,	
14	ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Table B.3, p.50-	
15	52; ISO/IEC 11172-3, Figure A.2, p.39.)	
16	60. The Infringing Instrumentalities infringe claim 21 of the RE281C patent. Claim 21	
17	generally recites the method of claim 18, wherein at least one of the synthesis filter banks is	
18	designed to transform frequency components into polyphase components by cosine modulating the	
19	frequency components.	
20	61. The Infringing Instrumentalities infringe claim 21 of the RE281C patent. (See, e.g.,	
21	ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Fig. A.4 Annex A,	
22	p.41.)	
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- 62. The Infringing Instrumentalities infringe claim 22 of the RE281C patent. Claim 22 generally recites the method of claim 18, wherein the signal is a regenerated time-domain audio signal.
- 63. The Infringing Instrumentalities infringe claim 22 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
- 64. The Infringing Instrumentalities infringe claim 24 of the RE281C patent. Claim 24 generally recites the method of claim 18, wherein the tree-structured array is designed to synthesize a decompressed audio signal.
- 65. The Infringing Instrumentalities infringe claim 24 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
- 66. The Infringing Instrumentalities infringe claim 25 of the RE281C patent. Claim 25 generally recites the method of claim 18, wherein at least one of the synthesis filter banks is designed to transform sub-band components into polyphase components by cosine modulating the sub-band components.
- 67. The Infringing Instrumentalities infringe claim 25 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
- 68. The Infringing Instrumentalities infringe claim 26 of the RE281C patent. Claim 26 of the RE281C patent generally recites a signal processing method comprising synthesizing a signal using a plurality of synthesis filter banks connected in a tree-structured array having a first and a second level, wherein the first level comprises more than two first level synthesis filter banks, and one first level synthesis filter bank has a different number of filters than another first level synthesis filter bank, and the second level comprises one synthesis filter bank having more than two filters, the second level having as inputs the outputs of the first level synthesis filter banks.

1	69. The Infringing Instrumentalities infringe claim 26 of the RE281C patent. (See, e.g.,		
2	ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, § 0.2 Layers, p.vi; see also		
3	e.g., ISO/IEC 11172-3, Fig. A.4 Annex A, p.41; ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the		
4	hybrid filterbank, p.95; ISO/IEC 11172-3, § 2.4.3.4.10 Synthesis filterbank, p.36; ISO/IEC 11172-3,		
5	Fig. A.4 Annex A, p.41; see also e.g., ISO/IEC 11172-3, § 2.4.3.4.10.2 IMDCT, p.36; ISO/IEC		
6	11172-3, § 2.4.2.7 Audio data, Layer III, p.26.)		
7	70. The Infringing Instrumentalities infringe claim 27 of the RE281C patent. Claim 27		
8	generally recites the method of claim 26, wherein at least one of the synthesis filter banks is		
9	designed to utilize polyphase components.		
10	71. The Infringing Instrumentalities infringe claim 27 of the RE281C patent. (See, e.g.,		
11	ISO/IEC 11172-3, § 2.1 Definitions, p.8; ISO/IEC 11172-3, § 2.1 Definitions, p.9; ISO/IEC 11172-		
12	3, Fig. A.4 Annex A, p.41.)		
13	72. The Infringing Instrumentalities infringe claim 28 of the RE281C patent. Claim 28		
14	generally recites the method of claim 27, wherein the polyphase components are generated using a		
15	window length of 512 samples.		
16	73. The Infringing Instrumentalities infringe claim 28 of the RE281C patent. (See,		
17	e.g., ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; See also e.g., ISO/IEC 11172-3,		
18	Figure A.2, p.39.)		
19	74. The Infringing Instrumentalities infringe claim 29 of the RE281C patent. Claim 29		
20	generally recites the method of claim 26, wherein the polyphase components are generated using a		
21	window length of 512 samples.		
22	75. The Infringing Instrumentalities infringe claim 29 of the RE281C patent. (See, e.g.,		
23	ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Fig. A.4 Annex A,		
24	p.41.)		
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1	76. The Infringing Instrumentalities infringe claim 30 of the RE281C patent. Claim 30
2	generally recites the method of claim 26, wherein the signal is a reconstructed audio signal.
3	77. The Infringing Instrumentalities infringe claim 30 of the RE281C patent. (See, e.g.,
4	ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
5	78. The Infringing Instrumentalities infringe claim 32 of the RE281C patent. Claim 32 of
6	the RE281C patent generally recites the method of claim 26, wherein the tree-structured array is
7	designed to synthesize a decompressed audio signal.
8	79. The Infringing Instrumentalities infringe claim 32 of the RE281C patent. (See, e.g.,
9	ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
10	80. The Infringing Instrumentalities infringe claim 33 of the RE281C patent. Claim 33
11	generally recites the method of claim 26 wherein at least one of the synthesis filter banks is
12	designed to transform sub-bandcomponents into polyphase components by cosine modulating the
13	sub-band components.
14	81. The Infringing Instrumentalities infringe claim 33 of the RE281C patent. (See, e.g.,
15	ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Fig. A.4 Annex A,
16	p.41.)
17	82. The Infringing Instrumentalities infringe claim 34 of the RE281C patent. Claim 34
18	generally recites a signal processing system that includes multiple filter banks that can connect to
19	form a tree-structured array to split a signal into subbands, the tree-structured array having a root
20	node and more than two leaf nodes. Each of the nodes includes one filter bank having more than
21	two filters, and at least one of the leaf nodes has a different number of filters than another of the lea
22	nodes.
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1	83. The Infringing Instrumentalities infringe claim 34 of the RE281C patent. (<i>See, e.g.</i> ,		
2	ISO/IEC 11172-3, § 2.1 Definitions, p.5; ISO/IEC 11172-3, § C.1.1.1 Introduction, p.66; ISO/IEC		
3	14496-3:2009(E), Introduction.)		
4	84. The Infringing Instrumentalities infringe claim 35 of the RE281C patent. Claim 35		
5	generally recites the system of claim 34, wherein at least one of the filter banks is designed to utilize		
6	cosine modulation.		
7	85. The Infringing Instrumentalities infringe claim 35 of the RE281C patent. (See, e.g.,		
8	ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the hybrid filterbank, p.96; ISO/IEC 11172-3, §		
9	C.1.3 Analysis subband filter, p.67.)		
10	86. The Infringing Instrumentalities infringe claim 38 of the RE281C patent. Claim 38		
11	generally recites the system of claim 34, wherein the signal is an audio signal.		
12	87. The Infringing Instrumentalities infringe claim 38 of the RE281C patent. (<i>See, e.g.</i> ,		
13	ISO/IEC 11172-3, § 0.1 Encoding, p.v; ISO/IEC 11172-3, § C.1.1.1 Introduction, p.66; ISO/IEC		
14	14496-3:2009(E), § 4.6.18.5 SBR tool overview, p.246.)		
15	88. The Infringing Instrumentalities infringe claim 39 of the RE281C patent. Claim 39		
16	generally recites the system of claim 34, wherein at least one of the filter banks is designed to utilize		
17	polyphase components.		
18	89. The Infringing Instrumentalities infringe claim 39 of the RE281C patent. (See, e.g.,		
19	ISO/IEC 11172-3, § 2.1 Definitions, p.8; ISO/IEC 14496-3:2009(E), § 4.6.18.4 SBR filterbanks,		
20	p.240.)		
21	90. The Infringing Instrumentalities infringe claim 40 of the RE281C patent. Claim 40		
22	generally recites the system of claim 39, wherein the polyphase components are generated using a		
23	window comprising 512 samples.		
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25	COMPLAINT FOR PATENT INFRINGEMENT		

1	104. The Infringing Instrumentalities infringe claim 49 of the RE281C patent. Claim 49
2	generally recites the system of claim 48, wherein at least one of the synthesis filter banks is
3	designed to generate polyphase components.
4	105. The Infringing Instrumentalities infringe claim 49 of the RE281C patent. (See,
5	e.g., ISO/IEC 11172-3, § 2.1 Definitions, p.8; ISO/IEC 11172-3, § 2.1 Definitions, p.9; See also
6	e.g., ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
7	106. The Infringing Instrumentalities infringe claim 50 of the RE281C patent. Claim 50
8	generally recites the system of claim 48, wherein at least one of the synthesis filter banks is
9	designed to transform frequency components into polyphase components by cosine modulating the
10	frequency components.
11	107. The Infringing Instrumentalities infringe claim 50 of the RE281C patent. (See,
12	e.g., ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Fig. A.4
13	Annex A, p.41.)
14	108. The Infringing Instrumentalities infringe claim 51 of the RE281C patent. Claim 51
15	generally recites the system of claim 48, wherein the signal is a decompressed audio signal.
16	109. The Infringing Instrumentalities infringe claim 51 of the RE281C patent. (See,
17	e.g., ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
18	110. The Infringing Instrumentalities infringe claim 53 of the RE281C patent. Claim 53
19	generally recites the system of claim 48, is designed to synthesized decompressed audio signal.
20	111. The Infringing Instrumentalities infringe claim 53 of the RE281C patent. (See,
21	e.g., ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
22	112. The Infringing Instrumentalities infringe claim 55 of the RE281C patent. Claim 55
23	generally recites the system of claim 48, wherein at least one of the synthesis filter banks is
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1	118. The Infringing Instrumentalities infringe claim 58 of the RE281C patent. Claim 58
2	generally recites the system of claim 57, wherein at least one of the synthesis filter banks is
3	designed to generate polyphase components.
4	119. The Infringing Instrumentalities infringe claim 58 of the RE281C patent. (See, e.g.,
5	ISO/IEC 11172-3, § 2.1 Definitions, p.8; ISO/IEC 11172-3, § 2.1 Definitions, p.9.)
6	120. The Infringing Instrumentalities infringe claim 59 of the RE281C patent. Claim 59
7	generally recites the system of claim 58, wherein the polyphase components are generated using a
8	window length of 512 samples.
9	121. The Infringing Instrumentalities infringe claim 59 of the RE281C patent. (See, e.g.,
10	ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Figure A.2, p.39.)
11	122. The Infringing Instrumentalities infringe claim 60 of the RE281C patent. Claim 60
12	generally recites the system of claim 57, wherein at least one of the synthesis filter banks is
13	designed to transform frequency components into polyphase components by cosine modulating the
14	frequency components.
15	123. The Infringing Instrumentalities infringe claim 60 of the RE281C patent. (See, e.g.,
16	ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Fig. A.4 Annex A,
17	p.41.)
18	124. The Infringing Instrumentalities infringe claim 63 of the RE281C patent. Claim 63
19	generally recites the system of claim 57, wherein the tree-structured array is designed to synthesize
20	a decompressed audio signal.
21	125. The Infringing Instrumentalities infringe claim 63 of the RE281C patent. (See, e.g.,
22	ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
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25	COMPLAINT FOR RATENT INFRINCEMENT

- The Infringing Instrumentalities infringe claim 69 of the RE281C patent. Claim 69 134. generally recites the system of claim 66, wherein at least one of the filter banks is designed to generate polyphase components.
- The Infringing Instrumentalities infringe claim 69 of the RE281C patent. (See, e.g., ISO/IEC 11172-3, § 2.1 Definitions, p.8; ISO/IEC 14496-3:2009(E), § 4.6.18.4 SBR filterbanks, p.240.)
- 136. The Infringing Instrumentalities infringe claim 70 of the RE281C patent. Claim 70 generally recites the system of claim 69, wherein the polyphase components are generated using a window comprising 512 samples.
- The Infringing Instrumentalities infringe claim 70 of the RE281C patent. (See, e.g., 137. ISO/IEC 11172-3, Table C.1, p.68-69.)
- 138. The Infringing Instrumentalities infringe claim 71 of the RE281C patent. Claim 71 generally recites a signal processing system that includes means for splitting a signal into sub-bands using multiple filter banks that can connect to form a tree-structured array having first and second levels. The first level of the array includes one filter bank having more than two filters. The second level of the array includes at least two second level filter banks. Each second level filter bank has as its input an output from a different filter in the first level, and one second level filter bank has a different number of filters than another second level filter bank.
- 139. The Infringing Instrumentalities infringe claim 71 of the RE281C patent. (See, e.g., ISO/IEC 11172-3, § 0.1 Encoding, p.v.; ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the hybrid filterbank, p.96; ISO/IEC 14496-3:2009(E), Introduction; ISO/IEC 14496-3:2009(E), § 4.6.18.4 SBR filterbanks, p.238.)

148. The Infringing Instrumentalities infringe claim 76 of the RE281C patent. Claim 76
recites a signal processing system comprising means for synthesizing a signal using a plurality of
synthesis filter banks that can connect to form a tree-structured array having greater than two leaf
nodes and a root node, wherein each of the nodes comprises one synthesis filter bank having greater
than two filters, with at least one of the leaf nodes having a number of filters that differs from the
number of filters in a second leaf node

- 149. The Infringing Instrumentalities infringe claim 76 of the RE281C patent. (*See*, *e.g.*, ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, § 0.2 Layers, p.vi; ISO/IEC 11172-3, § 2.4.3.4.10 Synthesis filterbank, p.36; ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the hybrid filterbank, p.95; ISO/IEC 11172-3, § 2.4.3.4.10.2 IMDCT, p.36.)
- 150. The Infringing Instrumentalities infringe claim 77 of the RE281C patent. Claim 77 generally recites the system of claim 76, wherein at least one of the synthesis filter banks is designed to utilize polyphase components.
- 151. The Infringing Instrumentalities infringe claim 77 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, § 2.1 Definitions, p.8; ISO/IEC 11172-3, § 2.1 Definitions, p.9.)
- 152. The Infringing Instrumentalities infringe claim 78 of the RE281C patent. Claim 78 generally recites the system of claim 77, wherein the polyphase components are generated using a window length of 512 samples.
- 153. The Infringing Instrumentalities infringe claim 78 of the RE281C patent. (*See*, *e.g.*, ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Table B.3, p.50-52.)
- 154. The Infringing Instrumentalities infringe claim 79 of the RE281C patent. Claim 79 generally recites the system of claim 76, wherein at least one of the synthesis filter banks is designed to transform frequency components into polyphase components by cosine modulating the frequency components.

1	filter bank, and the second level comprises one synthesis filter bank having more than two filters,
2	the second level having as inputs the outputs of the first level synthesis filter banks.
3	163. The Infringing Instrumentalities infringe claim 83 of the RE281C patent. (See, e.g.
4	ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, § 2.4.3.4.10 Synthesis filterbank,
5	p.36; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41; see also e.g. ISO/IEC 11172-3, § 2.4.3.4.10.2
6	IMDCT, p.36; ISO/IEC 11172-3, § 2.4.2.7 Audio data, Layer III, p.27.)
7	164. The Infringing Instrumentalities infringe claim 84 of the RE281C patent. Claim 84
8	generally recites the system of claim 83, wherein at least one of the synthesis filter banks is
9	designed to utilize polyphase components.
10	165. The Infringing Instrumentalities infringe claim 84 of the RE281C patent. (See, e.g.
11	ISO/IEC 11172-3, § 2.1 Definitions, p.9; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
12	166. The Infringing Instrumentalities infringe claim 85 of the RE281C patent. Claim 85
13	generally recites the system of claim 84, wherein the polyphase components are generated using a
14	window length of 512 samples.
15	167. The Infringing Instrumentalities infringe claim 85 of the RE281C patent. (See,
16	e.g., ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Figure A.2,
17	p.39)
18	168. The Infringing Instrumentalities infringe claim 86 of the RE281C patent. Claim 86
19	of the RE281C patent generally recites the system of claim 83, wherein at least one of the synthesi
20	filter banks is designed to transform frequency components into polyphase components by cosine
21	modulating the frequency components.
22	169. The Infringing Instrumentalities infringe claim 86 of the RE281C patent. (See, e.g.
23	ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Fig. A.4 Annex A.
24	p.41; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
25	26

1	177. The Infringing Instrumentalities infringe claim 90 of the RE281C patent. (See, e.g.,		
2	ISO/IEC 11172-3, § 2.1 Definitions, p.5; ISO/IEC 14496-3:2009(E), § 4.6.18.4 SBR filterbanks,		
3	p.238; ISO/IEC 14496-3:2009(E), § 8.A.3 Decoding process, p.65-66.)		
4	178. The Infringing Instrumentalities infringe claim 91 of the RE281C patent. Claim 91		
5	generally recites the media of claim 90, wherein at least one of the filter banks is designed to utilize		
6	cosine modulation.		
7	179. The Infringing Instrumentalities infringe claim 91 of the RE281C patent. (See, e.g.,		
8	ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the hybrid filterbank, p.96; ISO/IEC 11172-3, §		
9	C.1.3 Analysis subband filter, p.67.)		
10	180. The Infringing Instrumentalities infringe claim 92 of the RE281C patent. Claim 92		
11	generally recites the media of claim 90, wherein the signal is an audio signal.		
12	181. The Infringing Instrumentalities infringe claim 92 of the RE281C patent. (See, e.g.,		
13	ISO/IEC 11172-3, § 0.1 Encoding, p.v.; ISO/IEC 14496-3:2009(E), § 4.6.18.5 SBR tool overview,		
14	p.246.)		
15	182. The Infringing Instrumentalities infringe claim 93 of the RE281C patent. Claim 93		
16	generally recites the media of claim 90, wherein at least one of the filter banks is designed to utilize		
17	polyphase components.		
18	183. The Infringing Instrumentalities infringe claim 93 of the RE281C patent. (See, e.g.,		
19	ISO/IEC 11172-3, § 2.1 Definitions, p.8; ISO/IEC 14496-3:2009(E), § 4.6.18.4 SBR filterbanks,		
20	p.240; ISO/IEC 14496-3:2009(E), § 4.B.18.2 Analysis filterbank, p.106.)		
21	184. The Infringing Instrumentalities infringe claim 94 of the RE281C patent. Claim 94		
22	generally recites the media of claim 93, wherein the polyphase components are generated using a		
23	window comprising 512 samples.		
24			
25	COMPLAINT FOR PATENT INFRINGEMENT		

1	199. The Infringing Instrumentalities infringe claim 101 of the RE281C patent. (See,
2	e.g., ISO/IEC 11172-3, § 2.1 Definitions, p.8; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
3	200. The Infringing Instrumentalities infringe claim 102 of the RE281C patent. Claim 102
4	generally recites the media of claim 101, wherein the polyphase components are generated using a
5	window length of 512 samples.
6	201. The Infringing Instrumentalities infringe claim 102 of the RE281C patent. (See,
7	e.g., ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Table B.3,
8	p.50-52.)
9	202. The Infringing Instrumentalities infringe claim 103 of the RE281C patent. Claim 103
10	generally recites the media of claim 100, wherein at least one of the synthesis filter banks is
11	designed to transform frequency components into polyphase components by cosine modulating the
12	frequency components.
13	203. The Infringing Instrumentalities infringe claim 103 of the RE281C patent. (See, e.g.,
14	ISO/IEC 11172-3, § 2.4.3.3.5 Synthesis subband filter, p.32; ISO/IEC 11172-3, Fig. A.4 Annex A,
15	p.41.)
16	204. The Infringing Instrumentalities infringe claim 104 of the RE281C patent. Claim 104
17	generally recites the media of claim 100, wherein wherein the signal is a reconstructed audio signal.
18	205. The Infringing Instrumentalities infringe claim 104 of the RE281C patent. (See, e.g.,
19	ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
20	206. The Infringing Instrumentalities infringe claim 105 of the RE281C patent. Claim 105
21	generally recites the media of claim 100, wherein the tree-structured array is designed to synthesize
22	a decompressed audio signal.
23	207. The Infringing Instrumentalities infringe claim 105 of the RE281C patent. (See, e.g.,
24	ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
25	31

p.41; ISO/IEC 11172-3, § 2.1 Definitions, p.5; ISO/IEC 11172-3, § 2.4.3.4 Layer III, p.33; ISO/IEC 11172-3, § 2.4.2.7 Audio data, Layer III, p.26; ISO/IEC 14496-3:2009(E), § 8.C.6.2 Parameter Estimation, p.106; ISO/IEC 14496-3:2009(E), § 8.6.4.3 Low frequency filtering, p.44.)

- The Infringing Instrumentalities infringe claim 114 of the RE281C patent. Claim 114 generally recites an information storage media storing audio information having been split into subbands using multiple filter banks connected to form a tree-structured array having a root node and greater than two leaf nodes. Each node includes at least one filter bank having greater than two filters, and at least one of the leaf nodes has a different number of filters than a second one of the leaf nodes.
- 225. The Infringing Instrumentalities infringe claim 114 of the RE281C patent. (See, e.g., ISO/IEC 11172-3, § 0.2 Layers, p.vi.; ISO/IEC 11172-3, § 2.1 Definitions, p.5; ISO/IEC 14496-3:2009(E), § 4.6.18.5 SBR tool overview, p.246; ISO/IEC 14496-3:2009(E), § 8.6.4 Parametric stereo, p.42; ISO/IEC 14496-3:2009(E), § 8.6.4.3 Low frequency filtering, p.44.)
- 226. The Infringing Instrumentalities infringe claim 115 of the RE281C patent. Claim 115 generally recites the media of claim 114, wherein the information is audio information.
- 227. The Infringing Instrumentalities infringe claim 115 of the RE281C patent. (See, e.g., ISO/IEC 11172-3, § 0.1 Encoding, p.v; ISO/IEC 14496-3:2009(E), § 4.6.18.5 SBR tool overview, p.246; ISO/IEC 14496-3:2009(E), § 8.A.1 Overview, p.65.)
- 228. The Infringing Instrumentalities infringe claim 116 of the RE281C patent. Claim 116 generally recites an information storage media storing audio information having been split into subbands using multiple filter bands connected in a tree-structured array having first and second levels. The first level of the array includes one filter bank having more than two filters. The second level of the array includes at least two filter banks. Each second level filter bank has as its input an output

235.	The Infringing Instrumentalities infringe claim 119 of the RE281C patent. (See	e, e.g.
ISO/IEC 1117	2-3, Fig. 2 §0.4 Decoding, p.vi.)	

- 236. The Infringing Instrumentalities infringe claim 120 of the RE281C patent. Claim 120 generally recites a method of reconstructing a signal using a plurality of synthesis filter banks connected in a tree-structured array having a first and a second level, wherein the first level comprises more than two first level synthesis filter banks, and one first level synthesis filter bank has a different number of filters than another first level synthesis filter bank, and the second level comprises one synthesis filter bank having more than two filters, the second level having as inputs the outputs of the first level synthesis filter banks.
- 237. The Infringing Instrumentalities infringe claim 120 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, § 2.1 Definitions, p.9; ISO/IEC 11172-3, § 2.4.3.4.10 Synthesis filterbank, p.36; ISO/IEC 11172-3, § C.1.5.3.3 Analysis part of the hybrid filterbank, p.95; ISO/IEC 11172-3, § 2.4.3.4.10.2 IMDCT, p.36.)
- 238. The Infringing Instrumentalities infringe claim 121 of the RE281C patent. Claim 121 generally recites the media of claim 120, wherein the regenerated signal is an audio signal.
- 239. The Infringing Instrumentalities infringe claim 121 of the RE281C patent. (*See, e.g.*, ISO/IEC 11172-3, Fig. 2 §0.4 Decoding, p.vi; ISO/IEC 11172-3, Fig. A.4 Annex A, p.41.)
- 240. On information and belief, the Infringing Instrumentalities are marketed, provided to, and/or used by or for each Defendant's partners, clients, customers and end users across the country and in this District.
- 241. Upon information and belief, since at least the date of Hybrid Audio-Texas' notice letter, each Defendant has induced and continues to induce others to infringe at least one claim of the RE281C patent under 35 U.S.C. § 271(b) by, among other things, and with specific intent or willful blindness, actively aiding and abetting others to infringe, including but not limited to each

Defendant's partners, clients, customers, and end users, whose use of the Infringing

Instrumentalities constitutes direct infringement of at least one claim of the RE281C patent.

- 242. In particular, each Defendant's actions that aid and abet others such as its partners, customers, clients, and end users to infringe include advertising and distributing the Infringing Instrumentalities and providing instruction materials, training, and services regarding the Infringing Instrumentalities. On information and belief, each Defendant has engaged in such actions with specific intent to cause infringement or with willful blindness to the resulting infringement because each Defendant has had actual knowledge of the RE281C patent and knowledge that its acts were inducing infringement of the RE281C patent since at least the date each Defendant received notice that such activities infringed the RE281C patent.
- 243. Upon information and belief, each Defendant is liable as a contributory infringer of the RE281C patent under 35 U.S.C. § 271(c) by offering to sell, selling and importing into the United States wireless communications devices to be especially made or adapted for use in an infringement of the RE281C patent. The Infringing Instrumentalities are a material component for use in practicing the RE281C patent and are specifically made and are not a staple article of commerce suitable for substantial non-infringing use.
- 244. Upon information and belief, since at least the time each Defendant received notice, Defendants' infringement has been willful.
 - 245. Hybrid Audio has been harmed by each Defendant's infringing activities.

JURY DEMAND

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

PRAYER FOR RELIEF

1	WHEREFORE, if Plaintiff Hybrid Audio is unsuccessful securing a reasonable and non-			
2	discriminatory royalty prior to service of this Complaint, Plaintiff Hybrid Audio demands judgmen			
3	for itself and against each Defendant as follows:			
4	A.	A. An adjudication that each Defendant has infringed the RE281C patent;		
5	В.	B. An award of damages to be paid by each Defendant adequate to compensate Hybrid		
6	Audio for each Defendant's past infringement of said patents, and any continuing or future			
7	infringement through the date such judgment is entered, including interest, costs, expenses and an			
8	accounting of all infringing acts including, but not limited to, those acts not presented at trial;			
9	C.	C. A declaration that this case is exceptional under 35 U.S.C. § 285, and an award of		
10	Plaintiff's reasonable attorneys' fees; and			
11	D.	An award to Hybrid Audio of such further relief at law or in equity as the Court		
12	deems just and proper.			
13				
14	Dated: Marc	h 27, 2018	Law Offices of Timothy J. Warzecha, PLLC 719 Second Avenue, Suite 104	
15			Seattle, Washington 98104 Telephone: (206) 264-0282	
16			warzecha@warzecha-law.com	
17			By: <u>/s/ Timothy J. Warzecha</u>	
18			Timothy Devlin (pro hac vice to be filed)	
19			Robert Kiddie (pro hac vice to be filed) DEVLIN LAW FIRM LLC	
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23			Attorneys for Plaintiff Hybrid Audio, LLC	
24				
75			38	