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UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD

Sony Corporation, Petitioner,

v.

One-E-Way, Inc. Patent Owner.

IPR2018-00219

Patent No. 8,131,391

Issue Date: March 6, 2012

Title: Wireless Digital Audio Music System

PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 8,131,391 UNDER 35 U.S.C. §§ 311-319 AND 37 C.F.R. §§ 42.100 ET SEQ.

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5.

a.	Claim 1: A wireless digital audio headphone comprising: a portable digital audio headphone receiver configured to receive a unique user code bit sequence and a original audio signal representation in the form of packets, said digital audio headphone receiver, capable of mobile operation and configured for direct digital wireless spread spectrum communication with a mobile digital audio transmitter;
b.	Claim 1: a direct conversion module configured to capture packets and the correct bit sequence within the packets aided by lowering signal detection error through reduced intersymbol interference coding of said audio representation signal respective to said headphone receiver and said mobile digital audio transmitter, said packets embedded in the received spread spectrum signal, the captured packets corresponding to the unique user code;
c.	Claim 1: a digital demodulator configured for independent CDMA communication operation;19
d.	Claim 1: a decoder operative to decode reduced intersymbol interference coding of original audio signal representation;21
e.	Claim 1: a digital-to-analog converter (DAC) generating an audio output of said original audio signal representation; and
f.	Claim 1: a module adapted to reproduce said generated audio output in response to the unique user code bit sequence being recognized, said audio having been wirelessly transmitted and reproduced virtually free from interference from device transmitted signals operating in the wireless headphone spectrum
Cla	ims 3 and 4

а.	Claim 3: A portable wireless digital audio system for digital transmission of an original audio signal representation from a portable audio player to a portable digital audio headphone receiver, said portable wireless digital audio system comprising:
b.	Claim 3: a digital audio transmitter operatively coupled to said portable audio player and transmitting a unique user code bit sequence with said original audio signal representation in packet format, wherein said digital audio transmitter operatively coupled to said audio player is capable of mobile operation, said digital audio transmitter comprising:
C.	Claim 3: a encoder operative to encode said original audio signal representation to reduce intersymbol interference;
d.	Claim 3: a digital modulator module configured for independent CDMA communication operation;26
e.	Claim 3: said digital audio transmitter configured for direct digital wireless communication with said portable digital audio headphone receiver, said portable digital audio headphone receiver comprising:
f.	Claim 3: a direct conversion module configured to capture packets and the correct bit sequence within the packets aided by lowering signal detection error through reduced intersymbol interference coding of said audio representation signal respective to said headphone and mobile said digital audio transmitter operatively coupled to said audio player, said packets embedded in the received spread spectrum signal, the captured packets corresponding to the unique user code;
g.	Claim 3: a digital demodulator configured for independent CDMA communication operation;29
h.	Claim 3: a decoder operative to decode the applied reduced intersymbol interference coding of said original audio signal representation;

	i.	Claim 3: a digital-to-analog converter (DAC) generating an audio output of said original audio signal representation; and	
	j.	Claim 3: a module adapted to reproduce said generated audio output, said audio having been wirelessly transmitted from said portable audio player and reproduced virtually free from interference from device transmitted signals operating in the wireless digital audio system	
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