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

Sony Corporation, Petitioner,

v.

One-E-Way, Inc. Patent Owner.

#### IPR2018-00216

Patent No. 7,865,258

Issue Date: January 4, 2011

Title: Wireless Digital Audio System

PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 7,865,258 UNDER 35 U.S.C. §§ 311-319 AND 37 C.F.R. §§ 42.100 ET SEQ.



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	1.	Clair	ns 3, 8, 11	24
		a.	Claim 3: A portable wireless digital audio transmitter system for digital transmission of an original audio signal representation from a portable audio source to a portable digital audio headphone receiver, said portable wireless digital audio system comprising:	24
		b.	Claim 3: a digital audio transmitter operatively coupled to said portable audio source 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 source is capable of mobile operation, said digital audio transmitter comprising:	24
		c.	Claim 3: an encoder operative to encode said original audio signal representation to reduce intersymbol interference	26
		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:	26
		f.	Claim 3: a direct conversion module configured to capture packets embedded in the received spread spectrum signal, the captured packets corresponding to the unique user code bit sequence;	27
		g.	Claim 3: a digital demodulator configured for independent CDMA communication operation	27
		h.	Claim 3: a decoder operative to decode the applied reduced intersymbol interference coding of said original audio signal representation	28
		i.	Claim 3: a digital-to-analog converter (DAC) generating an audio output of said original audio signal representation; and	28
		j.	Claim 3: a module adapted to reproduce said generated audio output, said audio having been wirelessly transmitted from said portable audio source and reproduced virtually	20



2.	Claims 4 and 10		29
	a.	Claim 4: A portable wireless digital audio system for digital transmission of an original audio signal representation from a portable audio source to a portable digital audio headphone receiver, said portable wireless digital audio system comprising:	. 30
	b.	Claim 4: a digital audio transmitter operatively coupled to said portable audio source 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 source is capable of mobile operation, said digital audio transmitter comprising:	. 30
	c.	Claim 4: an encoder operative to encode said original audio signal representation to reduce intersymbol interference	. 31
	d.	Claim 4: a channel encoder and interleaver to reduce transmission errors	. 31
	e.	Claim 4: a differential phase shift keying (DPSK) modulator being configured for independent code division multiple access (CDMA) communication operation	. 32
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	1.	Claim 4: a module adapted to reproduce said generated audio output, said audio having been wirelessly transmitted from said portable audio source virtually free from interference from device transmitted signals operating in the portable wireless digital audio system spectrum	3/
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