

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor : Juan C. Garcia Art Unit : 2653
Serial No. : 13/955,198 Examiner : Jeffrey P. Lytle
Filed : July 31, 2013 Conf. No. : 6871
Title : APPARATUS WITH DYNAMIC AUDIO SIGNAL PRE-
CONDITIONING AND METHODS THEREFOR

MAIL STOP RCE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Please consider the references listed on the enclosed PTO-1449 Form. Foreign patent documents and non-patent literature are enclosed; cited U.S. patents and patent application publications will be provided on request. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This filing is being made with the filing of a Request for Continued Examination. No fee is required.

Apply any necessary charges or credits to deposit account 06-1050, referencing the above attorney docket number.

Please contact the undersigned if there are any questions regarding this Statement.

Respectfully submitted,

Date: October 7, 2015

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Substitute Disclosure Form	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 16113-6321001	Application No. 13/955,198
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Google Technology Holdings LLC	
		Filing Date July 31, 2013	Group Art Unit 2653

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1.	2010/0081487	04/01/2010	Chen et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	2.	1404147	03/31/2004	EP				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	3.	MOSSI et al., "Robust and low-cost cascaded non-linear acoustic echo cancellation," ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP), 2011 IEEE INTERNATIONAL CONFERENCE ON, May 22, 2011, pages 89-92
	4.	MOSSI et al., "Dual amplifier and loudspeaker compensation using fast convergent and cascaded approaches to non-linear acoustic echo cancellation," 2012 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING (ICASSP 2012), March 25, 2012, pages 41-44
	5.	International Search Report and Written Opinion for International Application No. PCT/US2014/016356, mailed May 2, 2014, 9 pages
	6.	International Preliminary Report on Patentability for International Application No. PCT/US2014/016356, mailed September 24, 2015, 7 pages

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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