504533170 09/05/2017

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4579877

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
TOMAS DELUNA	08/30/2017
GAVZHANG ZHANG	08/30/2017

RECEIVING PARTY DATA

Name:	HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED
Street Address:	8500 BALBOA BOULEVARD
City:	NORTHRIDGE
State/Country:	CALIFORNIA
Postal Code:	91329

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	29589279		

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 2: SUITE 400

Address Line 4: BETHESDA, MARYLAND 20817

ATTORNEY DOCKET NUMBER:	27-1627
NAME OF SUBMITTER:	PATRICIA E. HONG
SIGNATURE:	/Patricia E. Hong /
DATE SIGNED:	09/05/2017

Total Attachments: 2

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PATENT REEL: 043490 FRAME: 0977 504533170

Attorney Docket: 27-1627 Ref: D170031US01

ASSIGNMENT

_	nai, Chi ements	EAS, Tomas DeLuna, a resident on the name of the name	to as the Assignor, have invented	certain new and useful
		the Declaration for said application esaid application having been filed December 29, 2016, and accorded applicable);	in the United States Patent and	
		said application having been filed ur and accorded Application No.	•	
	WHER	EAS, <u>Harman International Industr</u> 8500 Balboa Boulevard Northridge, CA 91329	s, Incorporated	
aforesa granted assign exclusi any an and in thereof proper assign herewing me/us lawful adminis	aid inversed therefore NOW and to all Les any and significer of AND significer of AND significer of AND significer of and the any	erred to as the Assignee, is desirountion and in and to any Letters Pateror; THEREFORE, for good and valual ransfer unto the Assignee, its suct to the invention as described in sailetters Patent which may be granted all foreign countries and in and to a aid Assignor authorizes and requested a signary of any country to issue all aid Assignor warrants and covenants that I/We have not executed and aid Assignor agrees to communicate and assignor agrees to communicate and said invention, to execute all divisions and make all rightful oaths reproceeding and generally do everyticatent in the United States or any fore	of the United States or any foreign of the United States or any foreign of consideration the Assignor by essors, legal representatives and application, and the entire right, titherefor in the United States and it y and all divisions, reissues, continued to said Assignee that I/We have full right to convey full not execute any instrument of consaid Assignee or its representational, continuation, reissue and foreign to said invention, and to the possible to aid the said Assignee	these presents do sell, d assigns, the full and the and interest in and to its territorial possessions nuations and extensions. Trademarks or any other its entire interest hereing assignment in conflict tives any facts known to be applications, sign all estify in any judicial or see to obtain and enforce
		IN WITNESS WHEREOF, I/We	ave hereunto set my/our hand and	seal.
Date:_	8/30/2	2017	Signature: Je Carlos DeLuna	
Date:_			Signature: Name: Gavzhang Zhang	

Afterney Decker 27 (627) Red Decker 2000

ASSIGNMENT

Shanghai China	hereinafter (collect	ively) referred to	as the Assignor	have invented co	Zhang, a resident c sitain new and usefu ited States has beer
第四章第	Declaration for squared application having cember 29, 2018, a blicable; displication having accorded Application	ig been filed in ind accorded Ser i been filed unde	i the United Sta ial Number <u>29/58</u> rithe Patent Coop	tes Patent and * <u>) 279</u> and was an eration Treaty on	Frademark Office or nended on (if being designated;
WHEREA	5 Harman Intens 8500 Balboa B Northidoe, CA	ouleverd	Incorporated		
					interest in and to the ountry which may be
essign and francescheive right to any and all Letter	ster unto the Ass the invention as de s Patent which ma	gnee its outce scribed in said a y be granted the	sors legal repr pplication and the reform the Unite	sentatives and a entire right title i d States and its t	se presents do sell, issigns, the full and and interest in and to amitorial possessions illions and extensions
AND said proper officer or a AND said	gency of any count Assignor warrants o	y to issue all sau Indicovenants th	1 Letters Patent to at IVVe have full r	said Assignee QN to convey the	demarks or any other entire interest herein ssignment in conflict
metus respecting lawful documents administrative pro	said invention, to example and imake all ing	ecute all division http://oaths-relat ally do everythin	al continuation of ing to said inver possible to aid to	essue and foreign from and to lest the said Assigned	s any facts known to applications, sign all by in any judicial or o obtain and enforce said Assignee.
	IN WITNESS WHE	I/We have	re hereunto set mir	/Our hand and se	1
Date		•	gnature ime Tomas D	Lura -	
Date <u>2017</u>	<u>. 8.30</u>		gnature // ime Gavztfeeig	Zhang V	

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