503788043 04/18/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3834689

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Richard C. Gerdes	07/29/2015

RECEIVING PARTY DATA

Name:	TM IP HOLDINGS, LLC	
Street Address:	6969 E. SUNRISE DRIVE, SUITE 100	
City:	TUCSON	
State/Country:	ARIZONA	
Postal Code:	85750	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15077195
Application Number:	15077227

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Phone: (512) 226-8117 Email: apsi@fr.com

Correspondent Name: KENNETH J. HOOVER Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	39785-0007002_003
NAME OF SUBMITTER:	VERONICA JUAREZ
SIGNATURE:	/Veronica Juarez/
DATE SIGNED:	04/18/2016

Total Attachments: 3

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PATENT REEL: 038307 FRAME: 0667 503788043

Attorney Docket No.: 39785-0007001

ASSIGNMENT

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, RICHARD C. GERDES, assign to TM IP HOLDINGS, LLC, a limited liability company formed under the laws of Arizona and having a principal place of business at 6969 E. Sunrise Drive, Suite 100, Tucson, AZ 85750, and its successors, transferees, and assignees (collectively the "Assignee"), all of my right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names me as inventor, is titled "SEPARATING AND EXTRACTING MODULATED SIGNALS", and was filed in the United States Patent and Trademark Office on July 27, 2015, as application 14/810,127 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

I authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in my name or in the Assignee's name.

I represent and warrant that I have the right and power to make this Assignment and that I have not made and will not make any other assignment that conflicts with this Assignment.

I will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

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PATENT REEL: 038307 FRAME: 0668

Attorney Docket No.: 39785-0007001

Zulud Li	4. DATE: 2015-07-27
Richard C. Gerdes	
State of Arizona)
County of Pima	_)
On this 29 day of July	, 20 <u>/5</u> , before me personally appeared
****	, whose identity was proven to me on the basis of
satisfactory evidence to be the perso	on who he or she claims to be, and acknowledged that he o
she signed the above/attached docur	nent.
	Tawan luin
	Notary Public

Assignment Page 2 of 3

Attorney Docket No.: 39785-0007001

The Assignee hereby acknowledge	s and accepts the foregoing assignment.
Assignee: TM IP HOLDINGS, LL	c
Signature 10	Date: <u>1015 - 07 - 29</u>
Name: PANSIEL L. HOD	465
Title:CEO	
State of Arizona)
County of TYYA	
On this 29 day of July	4 , 2015, before me personally appeared
Daniel L. Hodges	20 5 before me personally appeared , whose identity was proven to me on the basis of
satisfactory evidence to be the pers	son who he or she claims to be, and acknowledged that he or
she signed the above/attached docu	ment.
SUSANNE M. HENRY Notary Public - Arizona Pima County Ny Comm. Espiras Jan 19, 2019	Notary Public
	Summe

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PATENT REEL: 038307 FRAME: 0670

RECORDED: 04/18/2016

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