503437286 08/14/2015

PATENT ASSIGNMENT COVER SHEET

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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: 1

Property Type	Number
Application Number:	14810127

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:	39785-0007001	
NAME OF SUBMITTER:	VERONICA JUAREZ	
SIGNATURE:	/Veronica Juarez/	
DATE SIGNED:	08/14/2015	

Total Attachments: 3

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PATENT REEL: 036329 FRAME: 0407 503437286

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.

Assignment Page 1 of 3

Attorney Docker No.: 39785-0007001

Talud III	, <u> Adate: 2015-02-29</u>
Richard C. Gerdes	Name of the second seco
State of Arizona)
County of Peace	<u></u>
On this <u>29</u> day of <i>July</i>	, 20 <u>/5</u> , before me personally appeared
	, whose identity was proven to me on the basis of
satisfactory evidence to be the person	on who he or she claims to be, and acknowledged that he or
she signed the above/attached docu	ment.
	Taway avin
	Section Dalotta

Assignment Page 2 of 3

Attorney Docket No.: 39785-0007001

The Assignee hereby acknowledges a	and accepts the foregoing assignment.
Assignee: TMUP HOLDINGS, LLC	
Signajur	Date: <u>1015-07-29</u>
Name: <u>PANICL L. HONG</u>	
Title: CEO	
State of Arizona)
County of Piwa))
On this 29 day of JWY	, 2015, before me personally appeared, whose identity was proven to me on the basis of
Daniel L. Hodges	whose identity was proven to me on the basis of
satisfactory evidence to be the person	who he or she claims to be, and acknowledged that he or
she signed the above/attached docum	ent.
SUSANNE M. HENRY Notary Public - Arizona Pina County	Notary Public

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PATENT REEL: 036329 FRAME: 0410

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