503787977 04/18/2016 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3834623

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PART	Υ DATA				
		Name	Name Executio		
Richard C. Gerdes				07/29/2015	
RECEIVING PARTY	' DATA				
Name:	TM IP H	TM IP HOLDINGS, LLC			
Street Address:	6969 E	6969 E. SUNRISE DRIVE			
Internal Address:	SUITE	SUITE 100			
City:	TUCSC	TUCSON			
State/Country:	ARIZOI	NA			
Postal Code:	85750	85750			
PROPERTY NUMBE	ERS Total: 2				
Property Ty	/pe	Number			
Application Number: 150		15077053			
Application Number: 1507		15077118			
	ill be sent to r, if provideo ne:	(877)769-7945 the e-mail address first; if th if that is unsuccessful, it wi (512) 226-8117 apsi@fr.com KENNETH J. HOOVER FISH & RICHARDSON P.C. P.O.BOX 1022 MINNEAPOLIS, MINNESOTA S 39785-0005002/003	ll be sent via		
NAME OF SUBMITTE	ER:	VERONICA JUAREZ	VERONICA JUAREZ		
SIGNATURE:		/Veronica Juarez/	/Veronica Juarez/		
DATE SIGNED:		04/18/2016	04/18/2016		
Fotal Attachments: 3 source=39785-000500	02-003_Pare	ntASSIGN#page1.tif ntASSIGN#page2.tif			

ASSIGNMENT

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, <u>RICHARD C. GERDES</u>, assign to <u>TM IP HOLDINGS, LLC</u>, a limited liability company formed under the laws of <u>Arizona</u> and having a principal place of business at <u>6969 E</u>. <u>Sunrise Drive</u>, <u>Suite 100</u>, <u>Tucson</u>, <u>AZ 85750</u>, 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 "<u>EXTRACTING CARRIER SIGNALS FROM MODULATED SIGNALS</u>", and was filed in the United States Patent and Trademark Office on <u>July 24, 2015</u>, as application <u>14/808,903</u> (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 Assignce'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

PATENT REEL: 038455 FRAME: 0908

<u>Tayland Gerdes</u> Richard C. Gerdes	-date:
State of Arizona)) County of <u>Pinic</u>)	
On this <u>29</u> day of <u>July</u> <u>Richard C. Gerdes</u> satisfactory evidence to be the person wi	

she signed the above/attached document.



Tawara Cira

Notary Public

Assignment Page 2 of 3

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: TM IP HOLDINGS,	LC.
Signature:	Date: <u>2015-07-29</u>
Name: BANGEL H	02/25
Title:	
State of Arizona	<u>)</u>
County of RMQ)
On this 29 day of 30	$\frac{1}{2015}$, 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
3	erson who he or she claims to be, and acknowledged that he or
she signed the above/attached do	senment
	6 1
SUSANNE M. HENRY Notery Public - Arizons Pime County My Comm. Expires Jan 19, 2019	Notary Public
8	

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Assignment Page 3 of 3

RECORDED: 04/18/2016