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SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY	' DATA						
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THOMAS G. PRATT 11/03/2016				11/03/2016			
JEFFREY G. MUELLER					11/02/2016		
ROBERT D. KOSSLER					11/03/2016		
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DATE SIGNED:		11/07/2016					
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PATENT REEL: 040243 FRAME: 0047 Application No.: 14/936536 Filing Date: November 9, 2015

ASSIGNMENT

WHEREAS, Thomas G. Pratt, residing at Niles, MI, Jeffrey G. Mueller, residing at South Bend, IN, and Robert D. Kossler, residing at South Bend, IN, (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to a COHERENT SIGNAL ANALYZER (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been filed (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

AND WHEREAS, the University of Notre Dame du Lac (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto, and all nonprovisional applications claiming priority thereto, including, all divisions, continuations-in-part, relssues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all relssues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Legal Name of inventor: Thomas G. Pratt 2016 Signature: Date:

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

PATENT REEL: 040243 FRAME: 0049

Application No.: 14/936536 Filing Date: November 9, 2015

Legal Name of inv	entor: Jeffrey G	. Mueller		
Signature:	Och	An	Date:	2-Nov-2016
				quired. When signed appropriate notarial

documentation.

PATENT REEL: 040243 FRAME: 0050

Legal Name of Inventor:	Robert D. Kossler			
Signature:	Robert Konk	Date:	Nov 3,201	16

Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.

PATENT REEL: 040243 FRAME: 0051

RECORDED: 11/07/2016