505051776 08/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5098531

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM F. SCHNEIDER	07/04/2018

RECEIVING PARTY DATA

Name:	UNIVERSITY OF NOTRE DAME DU LAC	
Street Address:	1400 EAST ANGELA BLVD.	
City:	SOUTH BEND	
State/Country:	INDIANA	
Postal Code:	46617	

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US1464172

CORRESPONDENCE DATA

Fax Number: (414)277-0656

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: 414-271-6560

Email: mkeipdocket@michaelbest.com **Correspondent Name:** MICHAEL BEST & FRIEDRICH LLP Address Line 1: 100 EAST WISCONSIN AVENUE

Address Line 2: **SUITE 3300**

Address Line 4: MILWAUKEE, WISCONSIN 53202

ATTORNEY DOCKET NUMBER:	092012-9073-US02
NAME OF SUBMITTER:	MICHAEL R. LANGER
SIGNATURE:	/michael r. langer/
DATE SIGNED:	08/20/2018

Total Attachments: 2

source=23996140_092012-9073-US02_Executed_Assignment_-_Schneider_-_as_filed#page1.tif source=23996140 092012-9073-US02 Executed Assignment - Schneider - as filed#page2.tif

PATENT REEL: 046635 FRAME: 0529 505051776

ASSIGNMENT

Pursuant to our obligation to University of Notre Dame du Lac (hereinafter referred to as "Assignee") having its principal place of business at:

1400 East Angela Blvd. South Bend, IN 46617

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, I:

William Schneider c/o University of Notre Dame du Lac 1400 East Angela Blvd South Bend, IN 46617

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest –

- (1) in and to inventions described in the following patent applications:
 - U.S. Patent Application No. 15/034,464 filed on May 4, 2016
 - U.S. Patent Application No. 61/900,147 filed on November 5, 2013
 - PCT Patent Application No. PCT/US2014/064172 Filed on November 5, 2014
- (2) in and to all patent applications on said inventions now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
- (3) under the International Convention in respect to the patent applications identified above, and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of our Assignee with a claim to priority based on any of the patent applications identified above.

We hereby agree that I will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me.

1

PATENT REEL: 046635 FRAME: 0530 Attorney Docket No.: 092012-9073-US02

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

4 July 2018
Date

William Schneider