505181479 11/08/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5228247

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
SEUNG TARK OH	10/23/2018	

RECEIVING PARTY DATA

Name:	DANA AUTOMOTIVE SYSTEMS GROUP, LLC		
Street Address:	3939 TECHNOLOGY DRIVE		
Internal Address:	PO BOX 1000		
City:	MAUMEE		
State/Country:	OHIO		
Postal Code:	43537		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16099772	

CORRESPONDENCE DATA

Fax Number: (419)249-7151

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: 419-249-7146

Email: moore@marshall-melhorn.com
Correspondent Name: MARSHALL & MELHORN, LLC
Address Line 1: FOUR SEAGATE - 8TH FLOOR

Address Line 2: DONOVAN A. RUNKLE Address Line 4: TOLEDO, OHIO 43604

ATTORNEY DOCKET NUMBER: 1-24911/9753 UJ	
NAME OF SUBMITTER:	DONOVAN A. RUNKLE
SIGNATURE:	/Donovan A. Runkle/
DATE SIGNED:	11/08/2018

Total Attachments: 2

source=1-24911 ASSIGNMENT#page1.tif source=1-24911 ASSIGNMENT#page2.tif

PATENT REEL: 047451 FRAME: 0785

505181479

ASSIGNMENT OF INVENTION

For: \underline{x} U.S. and/or Foreign Rights For: \underline{x} U.S. Application

By: $\frac{x}{x}$ Inventors or Present Owner

Inventor or person or entity who owns the invention

For good and valuable consideration, the receipt of which is hereby acknowledged, and further acknowledging the assignment of this invention dated on May 11, 2016, June 7, 2016, and October 25, 2016, and, for the avoidance of doubt, hereby confirming such assignments,

ASSIGNOR:

Seung Tark Oh 3267 Dunwoodie Road Ann Arbor, Michigan 48105 United States of America	U.S. Nationality
hereby sells, assigns and transfers to	
ASSIGNEE:	
Dana Automotive Systems Group, LLC 3939 Technology Drive PO Box 1000 Maumee, Ohio 43537 United States of America	U.S an Ohio Limited Liability Company Nationality
interest, for the United States and its territoria	sentatives of the ASSIGNEE, his entire right, title and all possessions, and in all foreign countries, including rovements which are disclosed in the invention ocity Joint
Name of inventor(s): Seung Tark Oh	
which is found in U.S. Application No. $\underline{16/0}$	99,772 filed on November 8, 2018
under 35 USC 371 of International Applicatio	n No. PCT/US2017/031933 filed May 10, 2017, and
which claims priority of U.S. Provisional Appli	cations Nos. 62/334,164 filed May 10, 2016;
62/345,225 filed June 3, 2016; and 62/412,38	
X To comply with 37 CFR 3.21 f	or recordal of this assignment, I/we, the
Assignor(s) signing below, her	eby authorize and request my/our attorney to
	cation number when they become known.

1

and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to, all Letters Patent to be obtained for said invention by the above application, for the United States of America and its territorial possessions and any other foreign country or countries that may be granted to them therefor, and any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof;

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR agrees that this Assignment may be executed in one or more counterparts, each of which shall be deemed to be an original and all of which together shall be deemed to constitute one and the same instrument;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

	\sim	2	N I	\sim	

Date: 23-00T-18

SEUNG TARK OH

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 U.S.C. 261.