PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2594605

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHNNY N. SMITH	10/28/2013
THOMAS M. O'NEIL	10/28/2013

RECEIVING PARTY DATA

Name:	DANA AUTOMOTIVE SYSTEMS GROUP, LLC
Street Address:	P.O. BOX 1000
City:	MAUMEE
State/Country:	ОНЮ
Postal Code:	43537

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14065511

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	1-22683
NAME OF SUBMITTER:	STEPHEN G. KIMMET
Signature:	/Stephen G. Kimmet/
Date:	10/29/2013

Total Attachments: 3

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> PATENT REEL: 031496 FRAME: 0539

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ASSIGNMENT OF INVENTION

For:	<u>X</u>	U.S. and/or X	Foreign Rights
For:	<u>X</u>	U.S. NonProvisio	nal Patent Appln.
For:		U.S. Provisional I	Patent Appln.
Ву:	<u>X</u>	Inventor(s) or	_ Present Owner

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00) each, the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS: Inventors or persons or entities who own the invention

Johnny N. Smith	USA
2325 Meadowwood Drive	Nationality
Toledo, OH 43606	Ž
Thomas M. O'Neil	_ USA
631 Kitlou Court	Nationality
Holland, OH 43528	·

hereby sell, assign and transfer to

ASSIGNEE:

Dana Automotive Systems Group, LLC	An Ohio Limited Liability Company
P.O. Box 1000	Nationality
Maumee, OH 43537	•

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest, for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled: <a href="https://doi.org/10.1001/journal.org/10.10

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Attorney Docket No. 1-22683

Name of inv	ventor(s): <u>Johnny N. Smith and Thomas I</u>	M. O'Neil
and which is	s found in	
<u>X</u>	U.S. patent application executed on even	date herewith;
	U.S. Non-Provisional Patent Appln. No	filed on;
<u> </u>	U.S. Provisional Patent Appln, No	filed on
	To comply with 37 CFR 3.21 for recordal of this assignment, We, the Assignor(s) signing below, hereby authorize and request my/our attorney to insert the filing date and application number when they become known.	

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;

ASSIGNORS agree 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:

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

ASSIGNORS further covenant 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 ASSIGNORS 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.

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ASSIGNORS

Date: _____/<u>2-25 --__/-3</u>____

Johnny N. Smith

Date: <u>/0 ~ 28 ~ /3</u>

Thốmas M. O'Neil

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.