503520057 10/13/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3566683

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY J. MORSCHECK	08/22/2015
KENNETH E. COOPER	09/16/2015
JAMES F. ZIECH	09/22/2015
RICHARD A. NELLUMS	08/22/2015
STEVEN J. WESOLOWSKI	09/21/2015
DONALD J. REMBOSKI	09/28/2015

RECEIVING PARTY DATA

Name:	DANA HEAVY VEHICLE 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:	14392079

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: 419-249-7138

Email:evans@marshall-melhorn.comCorrespondent Name:MARSHALL & MELHORN, LLCAddress Line 1:FOUR SEAGATE - 8TH FLOOR

Address Line 2: STEPHEN P. EVANS TOLEDO, OHIO 43604

ATTORNEY DOCKET NUMBER:	D030001-22832001/8870
NAME OF SUBMITTER:	STEPHEN P. EVANS
SIGNATURE:	/Stephen P. Evans/
DATE SIGNED:	10/13/2015

503520057 PATENT REEL: 036778 FRAME: 0815

Total Attachments: 5 source=(1-22832) ASSIGNMENT#page1.tif source=(1-22832) ASSIGNMENT#page2.tif source=(1-22832) ASSIGNMENT#page3.tif source=(1-22832) ASSIGNMENT#page4.tif

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PATENT REEL: 036778 FRAME: 0816

ASSIGNMENT OF INVENTION

For: x U.S. and/or Foreign Rights

For: x U.S. Application

By: x Inventor(s) or Present Owner(s)

For good and valuable consideration, the receipt of which is hereby acknowledged, and further acknowledging the assignment of this invention recorded in the U.S. Patent and Trademark Office on August 29, 2013, and, for the avoidance of doubt, hereby confirming such assignment.

ASSIGNORS:	Inventors or persons or entities who own the invention
Timothy J. Morscheck 7687 W. Saint Andrews Circle Portage, Michigan 49024 United States of America	U.S. Nationality
Kenneth E. Cooper 4912 Highpoint Drive Toledo, Ohio 43615 United States of America	U.S. Nationality
James F. Ziech 3409 Bronson Blvd. Kalamazoo, Michigan 49008 United States of America	U.S. Nationality
Richard A. Nellums 9240 East Shore Drive Portage, Michigan 49002 United States of America	U.S. Nationality
Steven J. Wesolowski 8089 Silverstone Drive Waterville, Ohio 43566 United States of America	U.S. Nationality
Donald J. Remboski 885 Oakdale Road Ann Arbor, Michigan 48105 United States of America	U.S. Nationality

hereby sell, assign and transfer to

ASSIGNEE:
DANA HEAVY VEHICLE an Ohio Limited Liability Company SYSTEMS GROUP, LLC 3939 Technology Drive PO Box 1000 Maumee, Ohio 43537 United States of America
and the successors, assigns and legal representatives of the ASSIGNEE, their 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 improvement
which are disclosed in the invention entitled
Multi-Mode Tandem Axle Function Selection Apparatus and Method
Name of inventors <u>Timothy J. Morscheck, Kenneth E. Cooper, James F. Ziech,</u>
Richard A. Nellums, Steven J. Wesolowski, and
Donald J. Remboski
which is found in U.S. patent application No14/392,079 filed under 35 USC 371 onSeptember 11, 2015 of PCT International Application
No. PCT/US2014/025600 filed March 13, 2014, which claims priority of U.S. Provisiona
Application No. 61/778,697 filed on March 13, 2013;
X To comply with 37 CFR 3.21 for recordal of this assignment, We/I, the
Assignors signing below, hereby authorize and request my/our attorney
to insert the filing date and application number when they become know
and and a significant the second in a few iron accounts, including the right to alone

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 reexamination thereof;

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 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 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.

Date: 8/17/20(5	ASSIGNORS JUWTH DMULLUS TIMOTHY J. MORSCHECK
Date:	KENNETH E. COOPER
Date:	JAMES F. ZIECH
Date:	RICHARD A. NELLUMS
Date:	STEVEN J. WESOLOWSKI
Date:	DONALD J. REMBOSKI

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.

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.

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ASSIGNORS

Date:	TIMOTHY J. MORSCHECK
Date: 9116/2015	KENNETH E. COOPER
Date: 22 Sept. 2015	JAMES F. ZIECH
Date:	RICHARD A. NELLUMS
Date: 21 September 2015	x Struck J. Wesolowski STEVEN J. WESOLOWSKI
Date: 28-5EP-15	DÓNALD J. REMBOSKI

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	ASSIGNORS
Date:	TIMOTHY J. MORSCHECK
Date:	
	KENNETH E. COOPER
Date:	JAMES F. ZIECH
Date: 22 AV4VST 2015	RICHARD A. NELLUMS
Date:	STEVEN J. WESOLOWSKI
Date:	DONALD J. REMBOSKI

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RECORDED: 10/13/2015

PATENT REEL: 036778 FRAME: 0821