504630224 11/07/2017

PATENT ASSIGNMENT COVER SHEET

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENNETH D DUDEK	11/07/2017
MARK S HANNON	11/02/2017

RECEIVING PARTY DATA

Name:	FCA US LLC
Street Address:	1000 CHRYSLER DRIVE
City:	AUBURN HILLS
State/Country:	MICHIGAN
Postal Code:	48326-2757

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15620155

CORRESPONDENCE DATA

Fax Number: (248)944-6537

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: 248-944-6500

Email:chris.davenport@fcagroup.comCorrespondent Name:FCA US LLC CIMS 483-02-19Address Line 1:800 CHRYSLER DR EAST

Address Line 4: AUBURN HILLS, MICHIGAN 48326-2757

ATTORNEY DOCKET NUMBER:	709930US2
NAME OF SUBMITTER:	RALPH E. SMITH
SIGNATURE:	/Ralph E Smith/
DATE SIGNED:	11/07/2017

Total Attachments: 1

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PATENT 504630224 REEL: 044049 FRAME: 0671

ASSIGNMENT

We, Kenneth D. Dudek of Howell, Livingston County, MI Mark S. Hannon of South Lyon, Oakland County, MI

have invented a new and useful process, machine, manufacture, composition of matter, or an improvement thereof, entitled:

ANGULAR ORIENTATION OF CAMSHAFTS AND CRANKSHAFT OF AN ENGINE ASSEMBLY

for which we have executed an application for Letters Patent of the United States on

FCA US LLC, a Delaware limited liability company having its principal place of business at Auburn Hills, Michigan, desires to acquire the entire right, title, and interest in the invention and under the Letters Patent, and similar protection to be obtained, worldwide.

In consideration of the payment by FCA US LLC to us of the sum of \$1.00 and other good and valuable consideration, receipt being acknowledged, we sell, assign, and transfer unto FCA US LLC, our full and entire right, title, and interest in the invention worldwide and to any provisional application and all Letters Patent or similar legal protection to be obtained for the invention worldwide by the application or any continuation, division, renewal, substitute, re-examination, reissue, or any legal equivalent, for the full term or terms that may be granted.

We authorize our attorneys, authorized to prosecute said application, to insert the filing date and Serial Number of the application, to wit, Serial No. 15/620,155, filed <u>June 12, 2017</u>. We authorize and request the Commissioner of Patents to issue all Letters Patent of the United States to FCA US LLC.

We warrant that we have the right to sell, assign, and transfer our full and entire right, title, and interest in the invention and that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that will conflict with this sale, assignment, and transfer.

We further agree to communicate to FCA US LLC or its representatives, any facts known to us respecting the invention, testify in any legal proceedings relating to the invention when called upon, and sign all instruments and documents and render such assistance which, in the judgment of FCA US LLC, is necessary to vest in it and protect the legal right, title, and interest assigned in this Assignment.

This Assignment will be binding on our heirs and legal representatives.

Kenneth D. Dudek

Date NOV. 7, 2017

Mark S. Hannon

RECORDED: 11/07/2017

Date 11/2/2017

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