504221032 02/09/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4267709 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date			
SAIRAM CHITTOOR	02/06/2017			
FADI ESTEFANOUS	02/06/2017			
LURUN ZHONG	02/06/2017			

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:	15428632						

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:	710068US1
NAME OF SUBMITTER:	RALPH E. SMITH
SIGNATURE:	/Ralph E Smith/
DATE SIGNED:	02/09/2017

Total Attachments: 2

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PATENT 504221032 REEL: 041216 FRAME: 0792

ASSIGNMENT

We, Sairam Chittoor of Auburn Hills, Oakland County, MI Fadi Estefanous of Warren, Macomb County, MI Lurun Zhong of Troy, Oakland County, MI

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

INDEPENDENT INTAKE RUNNER RESONATOR SYSTEM

for	which	we	have	executed	an	application	for	Letters	Patent	of	the	United	States	on
	Q=(p		17											

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. 15/12/2, filed 10/10/2007 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.

Sairam Chittoor

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Date 2/6/2019

Fadi Estefanous

Date 2/6/2017

Lurun Zhong

Date _02/08/2017

Witness Witness

Washing Witness

the Minos