

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4883282

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PHANINDRA V. GARIMELLA	09/24/2015
PAUL V. MOONJELLY	09/18/2015
EDMUND P. HODZEN	09/01/2015
MING-FENG HSIEH	09/24/2015
GAYATRI ADI	09/01/2015
GOKUL VISHWANATHAN	08/29/2015
RECEIVING PARTY DATA	
Name:	CUMMINS INC.
Street Address:	500 JACKSON STREET
City:	COLUMBUS
State/Country:	INDIANA
Postal Code:	47201
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15762461
CORRESPONDENCE DATA	
Fax Number:	(317)237-1000
<i>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.</i>	
Phone:	317-237-0300
Email:	Cummins.IP@FaegreBD.com
Correspondent Name:	MARK B. LEE / MICKIE POTTER
Address Line 1:	300 NORTH MERIDIAN STREET
Address Line 2:	SUITE 2400
Address Line 4:	INDIANAPOLIS, INDIANA 46204
ATTORNEY DOCKET NUMBER:	CI-14-0262-01-01-US
NAME OF SUBMITTER:	PATRICE MICHELE POTTER
SIGNATURE:	/patrice michele potter/
DATE SIGNED:	03/26/2018

Total Attachments: 4

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ASSIGNMENT	Attorney Docket No.: CI-14-0262-01-PCT-E	Page 1 of 4
	First Named Inventor: Phanindra V. Garimella et al.	
	Title: REFERENCE VALUE ENGINE CONTROL SYSTEMS AND METHODS	

WHEREAS, we, **Phanindra V. Garimella**, residing at 3919 E Bennington Blvd, Bloomington IN 47401; **Paul V. Moonjelly**, residing at 1918 Heathrow Drive, Columbus, IN 47201; **Edmund P. Hodzen**, residing at 5564 Wren Court, Columbus, IN 47201; **Ming-Feng Hsieh**, residing at 197 Deer Trails, Nashville, IN 47448; **Gayatri Adi**, residing at 3455 Riverstone Way, Apt 1535, Columbus, IN 47201; and **Gokul Vishwanathan**, residing at 4908 Tothill Drive, Olney, MD 20832, have invented certain new and useful improvements as described in an application entitled **REFERENCE VALUE ENGINE CONTROL SYSTEMS AND METHODS**, in which an application was made for Letters Patent of the United States, the application having been executed on even date herewith, and/or being identified in the United States Patent and Trademark Office by Application No. PCT/US2015/055445, filed October 14, 2015; and

WHEREAS, **Cummins Inc.**, a corporation of the state of Indiana, and having an address of 500 Jackson Street, Columbus, IN 47201 United States of America ("Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we transfer to Assignee, its successors and assigns, my entire right, title, and interest in and to the invention, the above-identified patent application, corresponding domestic applications (including provisionals, divisionals, continuations, and continuations-in-part), corresponding foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and we authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the application when ascertained. We authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, or our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

ASSIGNMENT	Attorney Docket No.: CI-14-0262-01-PCT-E	Page 2 of 4
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	Title: REFERENCE VALUE ENGINE CONTROL SYSTEMS AND METHODS	

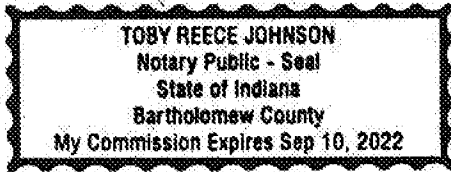
Phanindra V. Garimella
 Phanindra V. Garimella
 Date 09/24/2015

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF INDIANA)
) SS.
 COUNTY OF BARTHOLOMEW

Subscribed and sworn to before me, a Notary Public,
 this 24th day of SEPTEMBER, 2015.

Toby Reece Johnson
 Notary Public
 (SEAL)



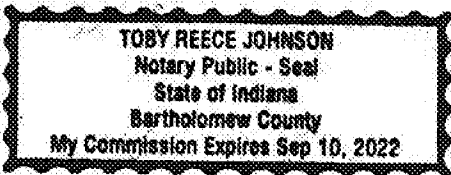
Paul V. Moonjelly
 Paul V. Moonjelly
 Date 9/18/2015

CERTIFICATE OF ACKNOWLEDGMENT

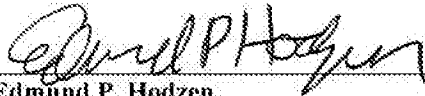
STATE OF INDIANA)
) SS.
 COUNTY OF BARTHOLOMEW

Subscribed and sworn to before me, a Notary Public,
 this 18th day of SEPTEMBER, 2015.

Toby Reece Johnson
 Notary Public
 (SEAL)



ASSIGNMENT	Attorney Docket No.: CI-14-0262-01-PCT-E	Page 3 of 4
	First Named Inventor: Phanindra V. Garimella et al.	
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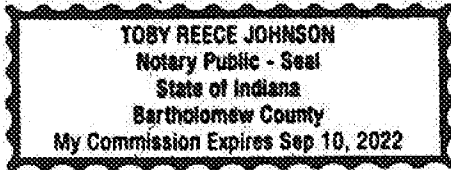

 Edmund P. Hodzen
 Date 9/1/2015

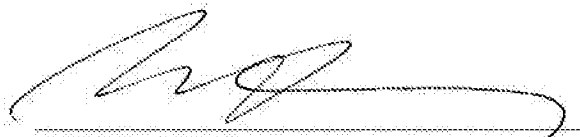
CERTIFICATE OF ACKNOWLEDGMENT

STATE OF INDIANA)
) SS.
 COUNTY OF BARTHOLOMEW

Subscribed and sworn to before me, a Notary Public,
 this 1ST day of SEPTEMBER 2015.


 Notary Public
 (SEAL)

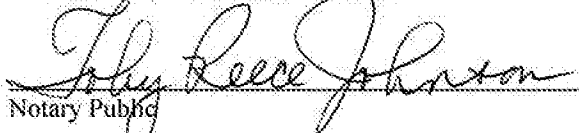


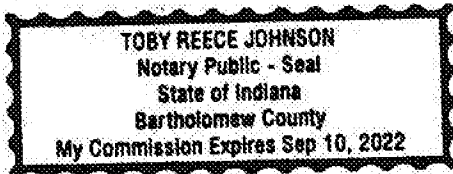

 Ming-Feng Hsieh
 Date 09/24/2015

CERTIFICATE OF ACKNOWLEDGMENT

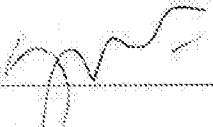
STATE OF INDIANA)
) SS.
 COUNTY OF BARTHOLOMEW

Subscribed and sworn to before me, a Notary Public,
 this 24th day of SEPTEMBER 2015.


 Notary Public
 (SEAL)



ASSIGNMENT	Attorney Docket No.: CI-14-0262-01-PCT-E	Page 4 of 4
	First Named Inventor: Phanindra V. Garimella et al.	
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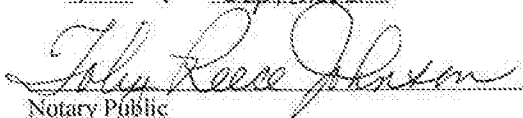


 Gayatri Adi
 Date 09/01/2015

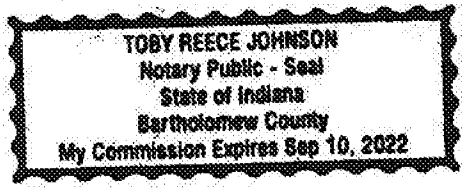
CERTIFICATE OF ACKNOWLEDGMENT

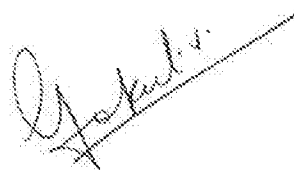
STATE OF INDIANA)
 : SS.
 COUNTY OF BARTHOLOMEW

Subscribed and sworn to before me, a Notary Public,
 this 1st day of September, 2015.



 Notary Public
 (SEAL)



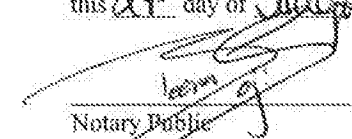


 Gokul Vishwanathan
 Date 08/29/2015

CERTIFICATE OF ACKNOWLEDGMENT

STATE OF Maryland)
 : SS.
 COUNTY OF Montgomery

Subscribed and sworn to before me, a Notary Public,
 this 29th day of August, 2015.



 Notary Public
 (SEAL)

BEENA SAJI
 NOTARY PUBLIC
 MONTGOMERY COUNTY
 MARYLAND
 My Commission Expires 08/02/2018