

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	KARTIKI JAGTAP	08/02/2018
	ENOCH NANDURU	08/14/2018
	MAHENDRA MITTAPALLI	08/14/2018
	UDIT BHAVESHKUMAR SHAH	07/26/2018
	SURAJ D. KHALATE	08/14/2018
	PRADNYA CHANDRAKANT JOSHI	08/14/2018
	VINAY KUMAR JOSHI	08/14/2018
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<b>Postal Code:</b>	411045	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16324485
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<b>ATTORNEY DOCKET NUMBER:</b>	106389-5217	
<b>NAME OF SUBMITTER:</b>	ROBERTO J. FERNANDEZ	
<b>SIGNATURE:</b>	/ Roberto J. Fernandez /	

<b>DATE SIGNED:</b>	02/15/2019
<b>Total Attachments: 9</b> source=Assignment India#page1.tif source=Assignment India#page2.tif source=Assignment India#page3.tif source=Assignment India#page4.tif source=Assignment India#page5.tif source=Assignment India#page6.tif source=Assignment India#page7.tif source=Assignment India#page8.tif source=Assignment India#page9.tif	

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Cummins Technologies India Private Limited  
Cummins India Office Campus  
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Balewadi, Pune – 411045

(hereinafter referred to singly and collectively as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for India and the United States of America, their respective territories and possessions, and all foreign countries in and to this invention relating to

**DECOMPOSITION CHAMBER FOR AFTERTREATMENT SYSTEMS**

as set forth in the following Patent Application:

Indian Provisional Patent Application No. 201841025311 Filed: July 6, 2018

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of India and the United States of America and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in India and the United States of America and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the appropriate governmental authorities to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in India and the United States of America or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of India and the United States of America and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of any Patent or Intellectual Property Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Atty. Dkt. No. 106389-5221

Executed this 2<sup>nd</sup> day of August, 2018.

Kariki Jagtap  
Kariki Jagtap

NAME AND SIGNATURE OF WITNESSES

NAME: Amol M. Sawale SIGNATURE: Amol M. Sawale DATE: 08/02/2018


NAME: PRIVANKA SIGNATURE: Privanka DATE: 08/02/2018  
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Atty. Dkt. No. 106389-5221

Executed this 14<sup>th</sup> day of August, 2018.

  
Enoch Nanduru

NAME AND SIGNATURE OF WITNESSES

NAME: Pradnya C Joshi SIGNATURE:  DATE: 14-08-2018

NAME: Susmita D. Phalke SIGNATURE:  DATE: 14 Aug. 2018

Atty. Dkt. No. 106389-5221

Executed this 14<sup>th</sup> day of August, 2018.

M.P. Mittapalli

Mahendra Mittapalli

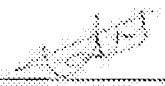
NAME AND SIGNATURE OF WITNESSES

NAME: Pradya C. Joshi SIGNATURE: [Signature] DATE: 14-08-2018

NAME: ENDRE NANDURU SIGNATURE: [Signature] DATE: 14<sup>th</sup> August 2018

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Executed this 26<sup>th</sup> day of JULY, 2018.

  
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Udit Bhaveshkumar Shah

NAME AND SIGNATURE OF WITNESSES

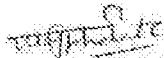
NAME: VIJIT KHATRI SIGNATURE:  DATE: 26/07/2018

NAME: Hansjeet K. Deshmukh SIGNATURE: Hansjeet DATE: 26/07/2018



Atty. Dkt. No. 106389-5221

Executed this 14<sup>th</sup> day of August, 2018.

  
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Suraj D. Khalate

NAME AND SIGNATURE OF WITNESSES

NAME: Pradnya C. Joshi SIGNATURE:  DATE: 14-08-2018

NAME: Vinay Joshi SIGNATURE:  DATE: 14/08/2018


Atty. Dkt. No. 106389-5221

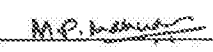
Executed this 14<sup>th</sup> day of August, 2018.



Pradnya Chandrakant Joshi


NAME AND SIGNATURE OF WITNESSES

NAME: Vinay K. Joshi SIGNATURE:  DATE: 14/08/2018


NAME: MAHENDRA MURTHA SIGNATURE:  DATE: 14/08/2018

Atty. Dkt. No. 106389-5221

Executed this 14 day of Aug, 2018.

  
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Vinay Kumar Joshi

NAME AND SIGNATURE OF WITNESSES

NAME: Susmita Ghoshal SIGNATURE:  DATE: 14<sup>th</sup> Aug. 2018

NAME: ENOCH NANDURU SIGNATURE:  DATE: 14<sup>th</sup> August 2018