

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4578624

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JITHIN BENJAMIN	08/23/2017
TIMOTHY C. ERNST	08/23/2017
JAMES A. ZIGAN	08/28/2017
KEVIN C. AUGUSTIN SR.	08/24/2017
DAVID E. KOEBERLEIN	08/23/2017
NIMISH BAGAYATKAR	08/24/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CUMMINS INC.
<b>Street Address:</b>	500 JACKSON STREET
<b>City:</b>	COLUMBUS
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	47201
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15521962
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	317-237-0300
<b>Email:</b>	cummins.ip@faegrebd.com
<b>Correspondent Name:</b>	ROBERT D. NULL
<b>Address Line 1:</b>	300 NORTH MERIDIAN STREET, SUITE 2700
<b>Address Line 4:</b>	INDIANAPOLIS, INDIANA 46204
<b>ATTORNEY DOCKET NUMBER:</b>	CI-14-0431-03-US-E
<b>NAME OF SUBMITTER:</b>	ROBERT D. NULL
<b>SIGNATURE:</b>	/robert d. null/
<b>DATE SIGNED:</b>	09/05/2017
<b>Total Attachments: 7</b>	

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# ASSIGNMENT

Attorney Docket No.: CI-14-0431-03-US

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First Named Inventor: Jithin Benjamin et al.

Title WASTE HEAT RECOVERY INTEGRATED COOLING  
MODULE

WHEREAS, we, **Jithin Benjamin**, residing at 3625 Richland Drive, Columbus, Indiana 47203, **Timothy C. Ernst**, residing at 7205 W 250 N, Columbus, Indiana 47203, **James A. Zigan**, residing at 4517 E. Olean Road, Versailles, Indiana 47042, **Kevin C. Augustin, Sr.**, residing at 5191 Mt. Pleasant Center Street, Greenwood, Indiana 46142, **David E. Koeberlein**, residing at 1695 East 800 South, Columbus, Indiana 47201, and **Nimish Bagayatkar**, residing at 13105 Brookshire Parkway, Carmel, Indiana 46033 have invented certain new and useful improvements as described in an application entitled **WASTE HEAT RECOVERY INTEGRATED COOLING MODULE**, 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. 15/521,962, filed April 26, 2017; and

WHEREAS, **Cummins Inc.**, a corporation of the State of Indiana, and having an address of 500 Jackson Street, Columbus, Indiana 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, our entire right, title, and interest in and to the invention, the above-identified patent application, corresponding domestic applications (including non-provisionals, 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.

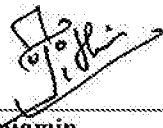
**ASSIGNMENT**

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First Named Inventor: Jithin Benjamin et al

Title: : WASTE HEAT RECOVERY INTEGRATED COOLING MODULE



Jithin Benjamin

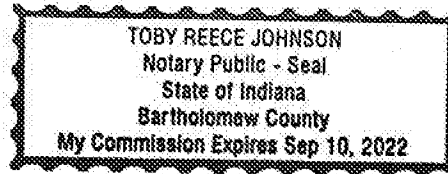
Date 8/23/2017

State of INDIANA


County of BARTHOLOMEW )

Subscribed and sworn to (or affirmed) before me on this 23rd day of August, 2017, by Jithin Benjamin, proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Signature Toby Reece Johnson  
(Seal)



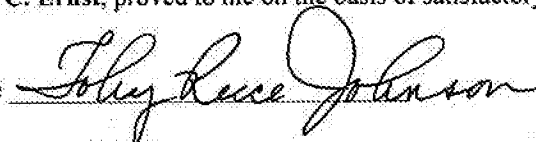
<b>ASSIGNMENT</b>	Attorney Docket No.: CI-14-0431-03-US	Page 3 of 7
	First Named Inventor: Jithin Benjamin et al	
	Title: : WASTE HEAT RECOVERY INTEGRATED COOLING MODULE	

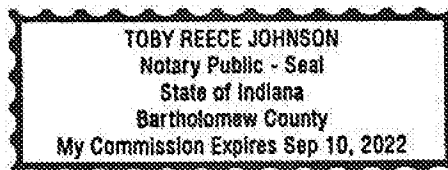
  
\_\_\_\_\_  
Timothy C. Ernst  
Date 8/23/17

State of INDIANA

County of BARTHOLOMEN )

Subscribed and sworn to (or affirmed) before me on this 23rd day of August, 2017, by Timothy C. Ernst, proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Signature   
(Seal)



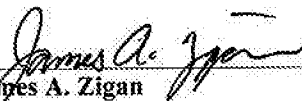
**ASSIGNMENT**

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First Named Inventor: Jithin Benjamin et al

Title: : WASTE HEAT RECOVERY INTEGRATED COOLING MODULE

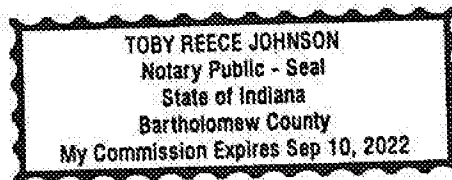
  
James A. Zigan  
Date 8/28/2017

State of INDIANA

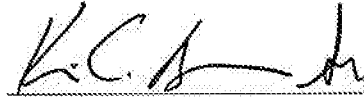
County of BARTHOLOMEW )

Subscribed and sworn to (or affirmed) before me on this 28th day of August, 2017, by James A. Zigan, proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Signature Toby Reece Johnson  
(Seal)



<b>ASSIGNMENT</b>	Attorney Docket No.: CI-14-0431-03-US	Page 5 of 7
	First Named Inventor: Jithin Benjamin et al	
	Title: : WASTE HEAT RECOVERY INTEGRATED COOLING MODULE	




Kevin C. Augustin, Sr.

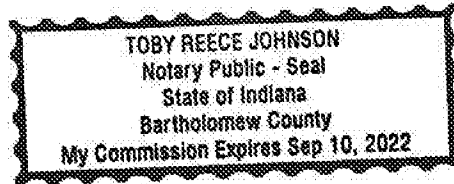
Date 29 AUG 17

State of INDIANA

County of BARTHOLOMEW

Subscribed and sworn to (or affirmed) before me on this 24<sup>th</sup> day of August, 2017, Kevin C. Augustin, Sr., proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Signature   
(Seal)



<b>ASSIGNMENT</b>	Attorney Docket No.: CI-14-0431-03-US	Page 6 of 7
	First Named Inventor: Jithin Benjamin et al	
	Title: : WASTE HEAT RECOVERY INTEGRATED COOLING MODULE	

*David*

David E. Koeberlein

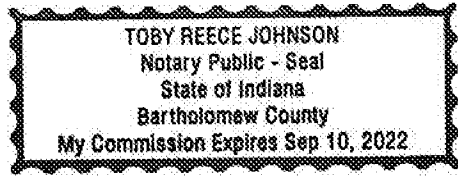
Date 23 Aug 17

State of Indiana

County of BARTHOLOMEW )

Subscribed and sworn to (or affirmed) before me on this 23rd day of August, 2017, by David E. Koeberlein, proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Signature *Toby Reece Johnson*  
(Seal)





**ASSIGNMENT**

Attorney Docket No.: CI-14-0431-03-US

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First Named Inventor: Jithin Benjamin et al

Title: : WASTE HEAT RECOVERY INTEGRATED COOLING MODULE

*N Bagayatkar*

Nimish Bagayatkar

Date 08/24/2017

State of INDIANA

County of BARTHOLOMEW )

Subscribed and sworn to (or affirmed) before me on this 24th day of August, 2017, by Nimish Bagayatkar, proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Signature *Toby Reece Johnson*  
(Seal)

