

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4789651

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AXEL O. ZUR LOYE	01/22/2013
COLIN NORRIS	01/11/2013
TIMOTHY LUTZ	01/11/2013
RICHARD ANCIMER	01/18/2013
ABHISHEK MEHROTRA	01/11/2013
RECEIVING PARTY DATA	
Name:	CUMMINS IP, INC.
Street Address:	500 JACKSON STREET
City:	COLUMBUS
State/Country:	INDIANA
Postal Code:	47201
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14759311
CORRESPONDENCE DATA	
Fax Number:	
<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>	
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Address Line 4:	WASHINGTON, D.C. 20007
ATTORNEY DOCKET NUMBER:	106389-3640
NAME OF SUBMITTER:	ALEXANDER J. NEUWORTH
SIGNATURE:	/Alexander J. Neuworth/
DATE SIGNED:	01/23/2018
Total Attachments: 6	
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ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: THERMAL MANAGEMENT CONTROL USING
LIMITED BANK OPERATION

and further identified by the Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed on January 9, 2013, having U.S. Provisional Patent Application No.: 61/750,715.

Whereas, Cummins IP, Inc., a corporation of Indiana having a place of business at 1400-73rd Avenue NE, Minneapolis, Minnesota 55432 (herein referred to as Cummins IP, Inc.) desires to acquire, and each undersigned Inventor desires to grant to Cummins IP, Inc., the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to Cummins IP, Inc. (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefore in the United States and in all foreign countries and jurisdictions, including all divisions, divisionals, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to Cummins IP, Inc., its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by Cummins IP, Inc., its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Cummins IP, Inc., its successors, legal representatives, and assigns, whenever requested by Cummins IP, Inc., its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to Cummins IP, Inc. and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants Cummins IP, Inc., its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of Indiana, and any disputes will be resolved in a Indiana state court or federal court sited in Indiana.

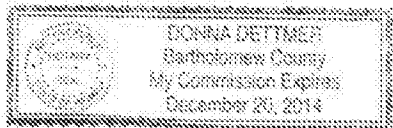
[Inventor Signature Page(s) Follows]

The undersigned hereby authorize the patent practitioners filing the U.S. Patent Application referenced herein to add the application serial number and filing date to this assignment document.

Assignor: *Axel O. zur Loye* Date: Jan-22-2013
Axel O. zur Loye

On this 22nd day of January, 2013, before me personally appeared said Axel zur Loye, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL



Donna Dettmer
Notary Public
My Commission expires December 20, 2014

Assignor: _____ Date: _____
Colin Norris

On this _____ day of _____, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

Assignor: _____ Date: _____
Timothy Lutz

On this _____ day of _____, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

The undersigned hereby authorize the patent practitioners filing the U.S. Patent Application referenced herein to add the application serial number and filing date to this assignment document.

Assignor: _____ Date: _____
Axel O. zur Loye

On this _____ day of _____, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

Assignor: _____ Date: 1/1/13
Colin Norris

On this 17th day of January, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Elizabeth McPherson

Notary Public
My Commission expires: 04-04-2015

Assignor: _____ Date: _____
Timothy Lutz

On this _____ day of _____, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

The undersigned hereby authorize the patent practitioners filing the U.S. Patent Application referenced herein to add the application serial number and filing date to this assignment document.

Assignor: _____ Date: _____
Axel O. zur Loye

On this _____ day of _____, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

Assignor: _____ Date: _____
Collin Norris

On this _____ day of _____, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

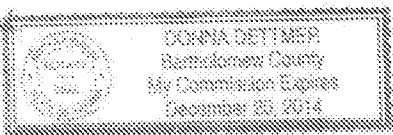
SEAL

Notary Public
My Commission expires: _____

Assignor: _____ Date: Jan 11, 2013
[Signature]
Timothy Lutz

On this 11th day of January, 2013, before me personally appeared said Timothy Lutz, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

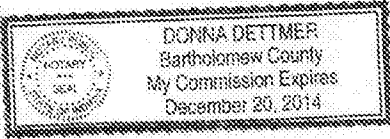


[Signature]
Notary Public
My Commission expires: December 20, 2014

Assignor: Richard Ancimer Date: Jan 18, 2013

On this 18th day of January, 2013, before me personally appeared said Richard Ancimer known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL



Donna Dettmer
Notary Public
My Commission expires: December 20, 2014

Assignor: _____ Date: _____
Abhishek Mehrotra

On this _____ day of _____, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

Assignor: Richard Ancimer Date: _____

On this _____ day of _____, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

Assignor: Abhishek Mehrotra Date: 01/11/13

On this 11th day of January, 2013, before me personally appeared said _____, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Elizabeth McPherson

Notary Public
My Commission expires: 04-04-2015