

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Phanindra Garmiella	03/18/2008
Abdul R. Ofoli	03/18/2008
Timothy R. Frazier	02/26/2008
Joan M. Wills	03/14/2008
John N. Chi	03/18/2008
Weiwen Wang	03/14/2008
Andrew Osburn	03/26/2008

RECEIVING PARTY DATA

Name:	CUMMINS IP, INC.
Street Address:	1400-73rd Avenue NE
City:	Minneapolis
State/Country:	MINNESOTA
Postal Code:	55432

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12112678

CORRESPONDENCE DATA

Fax Number: (801)531-1929
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 801-994-4646
Email: heather@kmiplaw.com
Correspondent Name: Brian C. Kunzler
Address Line 1: 8 East Broadway
Address Line 2: Suite 600
Address Line 4: Salt Lake City, UTAH 84111

ATTORNEY DOCKET NUMBER:

8-02-12960

PATENT

500537419

REEL: 020935 FRAME: 0915

OP \$40.00 12112678

NAME OF SUBMITTER:

Brian C. Kunzler

Total Attachments: 4

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ASSIGNMENT

I, identified below as "**Inventor**", have made certain new and useful improvements in an invention ("**Invention**"), as set forth in an application for United States Letters Patent executed or about to be executed by me or otherwise in which I am an inventor and bearing the following title and Attorney Docket No. and for which the Attorney of record is hereby authorized to insert the serial number and filing date when ascribed:

Title: Apparatus, System, and Method for Reducing NOx Emissions On An SCR Catalyst Using Ammonia Storage and Slip Control

Atty. Docket No. 8-02-12960

For good and valuable consideration, I do hereby sell, assign, and transfer to Cummins IP, Inc. ("**Assignee**"), a corporation organized under the laws of the State of Indiana, and located and doing business at 1400-73rd Avenue NE, Minneapolis, MINNESOTA 55432, and to its legal representatives, successors, and assigns, my entire right, title, and interest in and to the Invention and to all United States and foreign patent applications any of whose claims cover all or part of the Invention, to any prior or provisional application, including any application from which priority is claimed, together with all patents resulting from such applications including any continuations, divisions, reissues, re-examinations and extensions thereof and any applications claiming priority therefrom. Assignee shall hold such right, title, and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I agree, upon Assignee's request, to execute or assent to such United States and foreign patent applications and to execute all separate assignments and other legal documents that Assignee may find necessary or desirable in its exercise of the right, title, and interest assigned above. I also agree to communicate to Assignee any facts relating to the Invention or to any of the patent applications or patents contemplated above that may be useful to Assignee and to testify as to such facts in any interferences or in litigation, if requested to do so. I shall do all these things without additional compensation but at no expense to me.

I hereby request the Commissioner of Patents to issue to Assignee, as the owner of my entire right, title, and interest therein, any Letters Patent of the United States that may be issued for the Invention.

Inventor: G. V. Phanindra Date: 03/18/2008
(Signature)

Name typed or printed: Phanindra Garmiella
Address: 3820 E. Barrington Drive, Apt. D
Bloomington, IN 47408

State of Indiana)
County of Bartholomew) ss

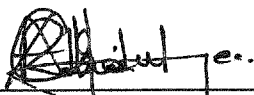
On this 18th day of March, 2008, before me personally appeared said Phanindra Garmiella, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Amy Engle
Notary Public
My Commission expires: 12/15/09

Title: Apparatus, System, and Method for Reducing NOX Emissions On An SCR Catalyst Using Ammonia Storage and Slip Control

Atty. Docket No. 8-02-12960

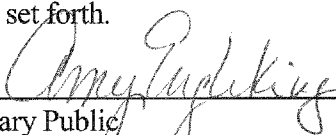
Inventor:  Date: 3/18/08
(Signature)

Name typed or printed: Abdul R. Ofoli
Address: 130 W. Brunswick Drive, Apt. H
Columbus, IN 47201

State of Indiana)
County of Bartholomew) ss

On this 18th day of March, 2008, before me personally appeared said Abdul R. Ofoli, 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: 12/5/09

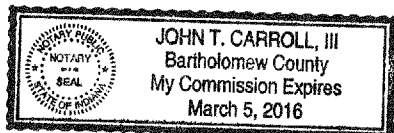
Inventor:  Date: 2/26/2008
(Signature)


Name typed or printed: Timothy R. Frazier
Address: 4276 W. Reece Lane
Columbus, IN 47201

State of INDIANA)
County of Bartholomew) ss

On this 26th day of MARCH, 2008, before me personally appeared said Timothy R. Frazier, 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: 05-MAR-2016

Title: Apparatus, System, and Method for Reducing NOX Emissions On An SCR Catalyst Using Ammonia Storage and Slip Control

Atty. Docket No. 8-02-12960

Inventor: Joan Wills Date: March 14, 2008
(Signature)

Name typed or printed: Joan M. Wills
Address: 8934 Bellsville Pike
Nashville, IN 47448

State of INDIANA)
County of BARTHOLOMEW) ss

On this 14th day of MARCH, 2008, before me personally appeared said Joan M. Wills, 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: 18-APR-2012

Inventor: J.N. Chi Date: 03/18/2008
(Signature)

Name typed or printed: John N. Chi
Address: 1246-B Thicket Court
Columbus, IN 47201

State of Indiana)
County of Bartholomew) ss

On this 18th day of March, 2008, before me personally appeared said John N. Chi, 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: 12/5/09

Title: Apparatus, System, and Method for Reducing NOX Emissions On An SCR Catalyst Using Ammonia Storage and Slip Control

Atty. Docket No. 8-02-12960

Inventor: Weiwen Wang Date: March 14, 2008
(Signature)

Name typed or printed: Weiwen Wang
Address: 6061 Chinkapin Drive
Columbus, IN 47201

State of INDIANA)
County of BARTHOLOMEW) ss

On this 14th day of MARCH, 2008, before me personally appeared said Weiwen Wang, 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: 18-APR-2012

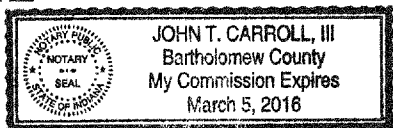
Inventor: Andrew Osburn Date: 3/26/08
(Signature)

Name typed or printed: Andrew Osburn
Address: 8775 E. State Road 46
Nashville, IN 47448

State of INDIANA)
County of BARTHOLOMEW) ss

On this 26th day of MARCH, 2008, before me personally appeared said Andrew Osburn, 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: 05-MAR-2016