

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2738497

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>LAURA M. RICART-UGAZ</td> <td>04/26/2011</td> </tr> <tr> <td>QIANFAN XIN</td> <td>04/26/2011</td> </tr> <tr> <td>DANIEL CORNELIUS</td> <td>04/26/2011</td> </tr> <tr> <td>LUIS CARLOS CATTANI</td> <td>04/26/2011</td> </tr> </tbody> </table>		Name	Execution Date	LAURA M. RICART-UGAZ	04/26/2011	QIANFAN XIN	04/26/2011	DANIEL CORNELIUS	04/26/2011	LUIS CARLOS CATTANI	04/26/2011
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LAURA M. RICART-UGAZ	04/26/2011										
QIANFAN XIN	04/26/2011										
DANIEL CORNELIUS	04/26/2011										
LUIS CARLOS CATTANI	04/26/2011										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>INTERNATIONAL ENGINE INTELLECTUAL COMPANY, LLC.</td> </tr> <tr> <td>Street Address:</td> <td>2701 NAVISTAR DRIVE</td> </tr> <tr> <td>City:</td> <td>LISLE</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60532</td> </tr> </table>		Name:	INTERNATIONAL ENGINE INTELLECTUAL COMPANY, LLC.	Street Address:	2701 NAVISTAR DRIVE	City:	LISLE	State/Country:	ILLINOIS	Postal Code:	60532
Name:	INTERNATIONAL ENGINE INTELLECTUAL COMPANY, LLC.										
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14240439</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14240439						
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Application Number:	14240439										
CORRESPONDENCE DATA											
Fax Number:	(331)332-2261										
Phone:	331-332-3039										
Email:	ptinfo@navistar.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	INTERNATIONAL ENGINE INTELLECTUAL PROPER										
Address Line 1:	2701 NAVISTAR DRIVE										
Address Line 2:	SUITE 7-3-P18-03										
Address Line 4:	LISLE, ILLINOIS 60532										
ATTORNEY DOCKET NUMBER:	D7021 1020.1030										
NAME OF SUBMITTER:	YVONNE FIGUEROA										

Signature:	/Yvonne Figueroa/
Date:	02/24/2014
Total Attachments: 9 source=D7021_AssignmentCover#page1.tif source=D7021_AssignmentCover#page2.tif source=D7021_AssignmentCover#page3.tif source=D7021_USAssignment#page1.tif source=D7021_USAssignment#page2.tif source=D7021_USAssignment#page3.tif source=D7021_USAssignment#page4.tif source=D7021_USAssignment#page5.tif source=D7021_USAssignment#page6.tif	

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

(1) Laura M. Ricart-Ugaz; Qianfan Xin; Danie

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) April 26, 2011

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies)

Name: International Engine Intellectual property Compnay, LLC

Internal Address: _____

Street Address: 2701 Navistar Drive

City: Lisle

State: IL

Country: U.S. Zip: 60532

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

14/240439

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: International Engine Intellectual Property Company, LLC

Internal Address: _____

Street Address: 2701 Navistar Drive

City: Lisle

State: IL Zip: 60532

Phone Number: 331-332-5000

Docket Number: 331-332-2261

Email Address: ptinfo@navistar.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 140603

Authorized User Name Yvonne Figueroa

9. Signature: /Yvonne Figueroa/

02/24/2014

Signature

Date

Yvonne Figueroa

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

9

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Guidelines for Completing Patents Cover Sheets (PTO-1595)

Cover Sheet information must be submitted with each document to be recorded. If the document to be recorded concerns both patents and trademarks separate patent and trademark cover sheets, including any attached pages for continuing information, must accompany the document. All pages of the cover sheet should be numbered consecutively, for example, if both a patent and trademark cover sheet is used, and information is continued on one additional page for both patents and trademarks, the pages of the cover sheet would be numbered from 1 to 4.

Item 1. Name of Conveying Party(ies).

Enter the full name of the party(ies) conveying the interest. If there is insufficient space, enter a check mark in the "Yes" box to indicate that additional information is attached. The name of the additional conveying party(ies) should be placed on an attached page clearly identified as a continuation of the information Item 1. Enter a check mark in the "No" box, if no information is contained on an attached page. If the document to be recorded is a joint research agreement, enter the name(s) of the party(ies) other than the owner of the patent or patent application as the conveying party(ies).

Item 2. Name and Address of Receiving Party(ies).

Enter the name and full address of the first party receiving the interest. If there is more than one party receiving the interest, enter a check mark in the "Yes" box to indicate that additional information is attached. Enter a check mark in the "No" box, if no information is contained on an attached page. If the document to be recorded is a joint research agreement, enter the name(s) of the patent or patent application owner(s) as the receiving party.

Item 3. Nature of Conveyance/Execution Date(s).

Enter the execution date(s) of the document. It is preferable to use the name of the month, or an abbreviation of that name, in order that confusion over dates is minimized. Place a check mark in the appropriate box describing the nature of the conveying document. If the "Other" box is checked, specify the nature of the conveyance.

Item 4. Application Number(s) or Patent Number(s).

Indicate the application number(s), and/or patent number(s) against which the document is to be recorded. National application numbers must include both the series code and a six-digit number (e.g., 07/123,456), and international application numbers must be complete (e.g., PCT/US91/12345).

Enter a check mark in the appropriate box: "Yes" or "No" if additional numbers appear on attached pages. Be sure to identify numbers included on attached pages as the continuation of Item 4. Also enter a check mark if this Assignment is being filed as an Oath/Declaration (37 CFR 1.63).

Item 5. Name and Address of Party to whom correspondence concerning the document should be mailed.

Enter the name and full address of the party to whom correspondence is to be mailed.

Item 6. Total Applications and Patents involved.

Enter the total number of applications and patents identified for recordation. Be sure to include all applications and patents identified on the cover sheet and on additional pages.

Block 7. Total Fee Enclosed.

Enter the total fee enclosed or authorized to be charged. A fee is required for each application and patent against which the document is recorded.

Item 8. Payment Information.

Enter the deposit account number and authorized user name to authorize charges.

Item 9. Signature.

Enter the name of the person submitting the document. The submitter must sign and date the cover sheet. Enter the total number of pages including the cover sheet, attachments, and document.

This collection of information is required by 35 USC 261 and 262 and 15 USC 1057 and 1060. The information is used by the public to submit (and by the USPTO to process) patent and trademark assignment requests. After the USPTO records the information, the records for patent and trademarks, assignments, and other associated documents can be inspected by the public. To view documents recorded under secrecy orders or documents recorded due to the interest of the federal government, a written authorization must be submitted. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the form to the USPTO. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Manager of the Assignment Division, USPTO, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450.

Privacy Act Statement for Patent Assignment Recordation Form Cover Sheet

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with the above request for information. This collection of information is authorized by 35 U.S.C. 1, 2, 261 and E.O. 9424. This information will primarily be used by the USPTO for the recordation of assignments related to patents and patent applications. Submission of this information is voluntary but is required in order for the USPTO to record the requested assignment. If you do not provide the information required on the cover sheet, the assignment will not be recorded, and all documents will be returned to you.

After the information is recorded, the records and associated documents can be inspected by the public and are not confidential, except for documents that are sealed under secrecy orders or related to unpublished patent applications. Assignment records relating to unpublished patent applications are maintained in confidence in accordance with 35 U.S.C. 122. Records open to the public are searched by users for the purpose of determining ownership for other property rights with respect to patents and trademarks.

Routine uses of the information you provide may also include disclosure to appropriate Federal, state, local, or foreign agencies in support of their enforcement duties and statutory or regulatory missions, including investigating potential violations of law or contract and awarding contracts or other benefits; to a court, magistrate, or administrative tribunal in the course of presenting evidence; to members of Congress responding to requests for assistance from their constituents; to the Office of Management and Budget in connection with the review of private relief legislation; to the Department of Justice in connection with a Freedom of Information Act request; to a contractor in the performance of their duties; to the Office of Personnel Management for personnel studies; and to the General Services Administration (GSA) as part of their records management responsibilities under the authority of 44 U.S.C. 2904 and 2906. Such disclosure to GSA shall not be used to make determinations about individuals.

JOINT ASSIGNMENT

WHEREAS, (1) Laura M. Ricart-Ugaz;
 (2) Qianfan Xin;
 (3) Daniel Cornelius; and
 (4) Luis Carlos Cattani;

residing, respectively, at (1) 1420 W. Cuyler Ave, Chicago, IL 60613;
 (2) 739 Foxmoor Lane, Lake Zurich, IL 60047;
 (3) 216 W. 33rd St., Apt. #3, Chicago, IL 60616; and
 (4) 1163 Shoreline Drive, Aurora, IL 60504

(hereinafter referred to as ASSIGNORS) have invented certain new and useful improvements in INTERNATIONAL Docket No. D7021 titled:

VVA CONTROL OF NO_x IN A LOW ΔP AREA OF AN ENGINE OPERATING MAP

for which they are about to make application for Letters Patent in the United States, said application having a Declaration and Power of Attorney executed by ASSIGNORS respectively on

- (1) on the ___ day of _____, 2011;
 (2) on the ___ day of _____, 2011;
 (3) on the ___ day of _____, 2011; and
 (4) on the ___ day of _____, 2011

or is identified subsequent to filing in the United States Patent and Trademark Office as Serial No. _____ filed _____ and

WHEREAS, INTERNATIONAL ENGINE INTELLECTUAL PROPERTY COMPANY, LLC, a corporation existing under the laws of the State of Illinois, (hereinafter referred to as INTERNATIONAL) having its principal place of business at 4201 Winfield Road, Warrenville, Illinois 60555 is desirous of acquiring the entire right, title and interest in and to the aforesaid invention or inventions, and any Letters Patent granted hereon by the United States of America and any foreign country;

NOW THEREFORE, in exchange for good and valuable consideration received by ASSIGNORS from INTERNATIONAL, the receipt of which is hereby acknowledged by ASSIGNORS, ASSIGNORS do hereby sell, assign, and transfer to INTERNATIONAL said invention or inventions, said application, divisional applications thereof, continuation applications thereof and any and all Letters Patent of the United States and any foreign country which may be granted therefor, and any reissue or reissues, or extension or extensions thereof, together with the right to file applications in, and to acquire Letters Patent in, all countries foreign to the United States in the name of INTERNATIONAL or as it may direct, and to claim for such foreign applications and Letters Patent the priority date of filing of the said International or United States application under the provisions of the Patent Cooperation Treaty, the International Convention for the Protection of Industrial Property or the European Patent Convention in the countries in which it applies.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or inventions or resulting from said application, or any division or divisions or continuations thereof to INTERNATIONAL as assignee of the entire interest.

ASSIGNORS hereby authorize INTERNATIONAL to insert the serial number and date(s) of execution of said application into this document after execution thereof.

ASSIGNORS do hereby covenant that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute any agreement in conflict herewith.

ASSIGNORS further covenant that they will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or inventions, or any Letters Patent that may be granted therefor in any country in INTERNATIONAL, and that if INTERNATIONAL desires to secure a division, reissue, reexamination, or renewal of any such Letters Patent, that a disclaimer relating thereto should be filed, or make application for a corresponding patent in any foreign country, that they will, upon request, sign all papers, make all rightful oaths, and do all lawful acts requisite for the application for such division, reissue, reexamination, or extension and the procuring thereof, or for the filing of such disclaimer or foreign patent application without further compensation, but at the expense of INTERNATIONAL.

ASSIGNORS do further covenant and agree that they will, at any time, upon request, communicate to INTERNATIONAL any facts relating to said invention or inventions and Letters Patent, or the history thereof known to them, and testify as to the same in interferences or other litigation when requested so to do.

This assignment shall inure to the benefit of INTERNATIONAL, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNORS, their heirs and legal representatives.

IN WITNESS WHEREOF, they have executed this instrument.

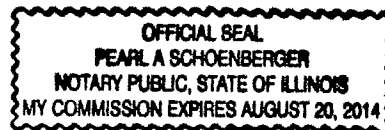
(1) *Laura M. Ricart-Ugaz* this 26th day of April, 2011
Laura M. Ricart-Ugaz

State of ILLINOIS)

County of Cook)

On this 26 day of April, 2011, before me came Laura M. Ricart-Ugaz, to me personally known, and known to me to be the individual described in and who executed the foregoing assignment, and acknowledged to me that he executed the same of his own free will and for the purposes therein set forth.

Pearl A. Schoenberger
Notary Public



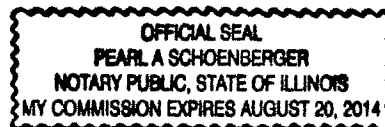
(2) Xin, Qian this 26th day of April, 2011
Qianfan Xin

State of Illinois)

County of Cook)

On this 26 day of April, 2011, before me came Qianfan Xin, to me personally known, and known to me to be the individual described in and who executed the foregoing assignment, and acknowledged to me that he executed the same of his own free will and for the purposes therein set forth.

Pearl A. Schoenberger
Notary Public

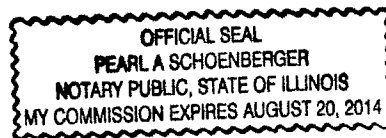


(3) Daniel Cornelius this 26 day of April, 2011
Daniel Cornelius

State of Illinois)
County of Cook)

On this 26 day of April, 2011, before me came Daniel Cornelius, to me personally known, and known to me to be the individual described in and who executed the foregoing assignment, and acknowledged to me that he executed the same of his own free will and for the purposes therein set forth.

Pearl A. Schoenberger
Notary Public



(4) ~~[Signature]~~ this 26th day of April, 2011
Luis Carlos Cattani

State of Illinois)
County of Cook)

On this 27 day of April, 2011, before me came Luis Carlos Cattani, to me personally known, and known to me to be the individual described in and who executed the foregoing assignment, and acknowledged to me that he executed the same of his own free will and for the purposes therein set forth.

[Signature]
Notary Public

