

07-30-2007



U.S. Department of Commerce
Patent and Trademark Office
Customer No.: 58,982
Attorney Docket No.: 08350.6844-00000

To the Director of the U.S. Patent and
Please record the attached original

103431264

Mail Stop Assignment Recordation Services

1. Name of conveying parties:

(1) Orhan Altin
(2) Rishabh Sinha
(3) Jiubo Ma
(4) Kent Clark Bates

2. Name and address of receiving party:

Name: Caterpillar Inc.

Additional name(s) of conveying parties attached? ☐ Yes ☒ NoInternal
Address:

3. Nature of conveyance:

Street
Address:

100 N.E. Adams Street

☒ Assignment☐ Merger

City: Peoria

☐ Security Agreement☐ Change of Name

State: IL

Zip Code: 61629-6490

☐ Joint Research
Agreement☐ Government Interest
Assignment☐ Executive Order 9494,
Confirmatory License☐ Other:

Additional name(s) & Address(es) attached?

☐ Yes☒ No

Execution Date:

(1) July 11, 2007
(2) July 12, 2007
(3) July 20, 2007
(4) July 12, 2007

Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:

A. Patent Application Number(s): 11/797,023

B. Patent Number(s):

Additional numbers attached?

☐ Yes☒ No

4. Name and address of party to whom correspondence concerning document should be mailed:

5. Total number of applications and patents involved:
One (1)

Name: Christopher P. Isaac

6. Total fee (37 CFR 1.21(h) and 3.41): \$40

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT
& DUNNER, L.L.P.☒ Enclosed (Please charge deficiency or credit
overpayment to Deposit Account No. 06-0916)

Street Address: 901 New York Avenue, N.W.

☐ Authorized to be charged to deposit account

City: Washington, D.C.

State: Zip: 20001-4413

7. Deposit Account No.: 06-0916

8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signed:

Daniel C. Cooley
Reg. No. 59,639

July 25, 2007

Date

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

17

5/2006

07/27/2007 DBYRNE 00000009 11797023

01 FC:8021

40.00 DP

PATENT
REEL: 019645 FRAME: 0648

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

BI-MATERIAL CORROSIVE RESISTANT HEAT EXCHANGER

for which We filed an application for United States Letters Patent on April 30, 2007 (Application No. 11/797,023); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional application Serial No. [Text], filed [Date] (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Orhan Altin	ASSIGNOR'S SIGNATURE <i>O. Altin</i>	DATE 7/11/2007
ADDRESS 2008 W. Gerald Drive, Peoria, IL, 61615		CITIZENSHIP Turkey

1. WITNESS NAME	CHANDRASEN RATHOD	WITNESS SIGNATURE	<i>Chandra</i>	DATE	07/11/07
ADDRESS	5811, N. CYPRESS DR. APT# 3405, PEORIA IL			CITIZENSHIP	INDIA

2. WITNESS NAME	George Legge	WITNESS SIGNATURE	<i>George Legge</i>	DATE	12 July 07
ADDRESS	307 Peach St. Washington IL 61571			CITIZENSHIP	USA

2. FULL NAME OF SECOND ASSIGNOR, IF ANY	Rishabh Sinha	ASSIGNOR'S SIGNATURE		DATE	
ADDRESS	4010 N. Brandywine Drive, #624, Peoria, IL 61614			CITIZENSHIP	India

1. WITNESS NAME		WITNESS SIGNATURE		DATE	
ADDRESS				CITIZENSHIP	

2. WITNESS NAME		WITNESS SIGNATURE		DATE	
ADDRESS				CITIZENSHIP	

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Jiubo Ma	ASSIGNOR'S SIGNATURE	DATE
ADDRESS Bldg. 39-1, 7 Laoshan Road, Laoshan District, Qingdao, ShanDong Province, PRC 266100		CITIZENSHIP USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY Kent Clark Bates	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 23119 N. Berchtold Road, Chillicothe, Illinois 61523		CITIZENSHIP USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

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2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Rishabh Sinha	ASSIGNOR'S SIGNATURE <i>Rishabh Sinha</i>	DATE 07/12/2007
ADDRESS 4010 N. Brandywine Drive, #624, Peoria, IL 61614		CITIZENSHIP India

1. WITNESS NAME <i>Mustafa Al-Shawaf</i>	WITNESS SIGNATURE <i>M. Al-Shawaf</i>	DATE 7/12/2007
ADDRESS <i>804 Simon st. Washington, IL 61571</i>		CITIZENSHIP USA

2. WITNESS NAME <i>Kristen C. Heins</i>	WITNESS SIGNATURE <i>Kristen C. Heins</i>	DATE 7-12-07
ADDRESS <i>686 Bricktown Rd.</i>		CITIZENSHIP USA
<i>Lowpoint, IL 61545</i>		

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Jiubo Ma	ASSIGNOR'S SIGNATURE	DATE
ADDRESS Bldg. 39-1, 7 Laoshan Road, Laoshan District, Qingdao, ShanDong Province, PRC 266100		CITIZENSHIP USA

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ADDRESS Bldg. 39-1, 7 Laoshan Road, Laoshan District, Qingdao, ShanDong Province, PRC 266100		CITIZENSHIP USA

1. WITNESS NAME Guoping Tian	WITNESS SIGNATURE Guoping Tian	DATE 7/20/2007
ADDRESS No. 169 Sengling Rd. Laoshan District Qingdao P.R. China		CITIZENSHIP

2. WITNESS NAME Austin Li	WITNESS SIGNATURE Austin Li	DATE 7/20/2007
ADDRESS No. 169 Sengling Rd. Laoshan District Qingdao P.R. China		CITIZENSHIP

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ADDRESS		CITIZENSHIP

4. FULL NAME OF FOURTH ASSIGNOR, IF ANY Kent Clark Bates	ASSIGNOR'S SIGNATURE <i>Kent C Bates</i>	DATE 12 July 2007
ADDRESS 23119 N. Berchtold Road, Chillicothe, Illinois 61523		CITIZENSHIP USA

1. WITNESS NAME Deepak Thakker	WITNESS SIGNATURE <i>Deepak Thakker</i>	DATE 07/12/2007
ADDRESS 2805 W. Larchmont Lane APT # A33 Peoria IL-61615		CITIZENSHIP India

2. WITNESS NAME Mahesh Mokive	WITNESS SIGNATURE <i>Mahesh Mokive</i>	DATE 07/12/07
ADDRESS 2708 W. WILLOW LAKE DR. #302, PEORIA, IL 61614		CITIZENSHIP INDIA