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U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

08-04-2009



103569539

ET

To the Director of the U.S. Patent :

documents or the new address(es) below.

1. Name of conveying party(ies)

Robert G. Graham

2. Name and address of receiving party(ies)

Name: Heat Transfer International, Inc.

Internal Address:

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

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

Execution Date(s) June 19, 2009

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

Street Address: 6871 Dutton Industrial Drive

City: Dutton

State: Michigan

Country: US Zip: 49316

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/983,517 11/985,385
 11/899,346 11/397,488
 12/215,148 12/215,161
 12/215,147

B. Patent No.(s)

7,240,724 6,695,522
 7,294,314
 7,241,322

Additional numbers attached? Yes No

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

Name: Robert L. McKellar

Internal Address:

Street Address: 784 South Poseyville Road

City: Midland

State: Michigan Zip: 48640

Phone Number: 989-631-4551

Fax Number: 989-631-4584

Email Address: rlmckellar@msh-iplaw.com

6. Total number of applications and patents involved: 11

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 440.00

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

8. Payment Information

Deposit Account Number 13-2492
 08/03/2009 NJAMA1 00000098 132492 1198.517
 Authorized User Name Robert L. McKellar
 01 FC:0021 440.00 DA

9. Signature:

Robert L. McKellar
Signature

July 31, 2009

Date

Robert L. McKellar

Name of Person Signing

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

6

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

PATENT ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), and for other good and valuable consideration, the receipt and sufficiency of which is acknowledged, ASSIGNOR, Robert G. Graham, residing at 627 E. Grand Lake Road, Presque Isle, Michigan 49777, sells, assigns, and transfers to ASSIGNEE, Heat Transfer International, Inc., a corporation of the State of Michigan, having a place of business at 6871 Dutton Industrial Drive, Dutton, Michigan 49316, the entire right, title, and interest in the United States and in all foreign countries in and to the following patents and nonprovisional and provisional patent applications, and the inventions disclosed and claimed therein, along with all patents or other intellectual property rights issuing therefrom (collectively, the "Patents"):

ISSUED PATENTS

<u>Country</u>	<u>Patent No.</u>	<u>Issue Date</u>	<u>Title</u>
United States	7,294,314	November 13, 2007	HEAT EXCHANGERS WITH NOVEL BALL JOINTS AND ASSEMBLIES AND PROCESSES USING SUCH HEAT EXCHANGERS
United States	7,241,322	July 10, 2007	PYROLIZING GASIFICATION SYSTEM AND METHOD OF USE
United States	6,695,522	February 24, 2004	LOW TO MEDIUM PRESSURE HIGH TEMPERATURE ALL-CERAMIC AIR TO AIR INDIRECT HEAT EXCHANGERS WITH NOVEL BALL JOINTS AND ASSEMBLIES

NONPROVISIONAL PATENT APPLICATIONS

<u>Country</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Title</u>
United States	11/983,517	November 10, 2007	COWLING FOR CONNECTING A HOT GAS SOURCE TO A STIRLING ENGINE OR A TURBINE
United States	11/985,385	November 15, 2007	ALL-CERAMIC HEAT EXCHANGERS, SYSTEMS IN WHICH THEY ARE USED AND PROCESSES FOR THE USE OF SUCH SYSTEMS
United States	11/899,346	September 5, 2007	HEAT EXCHANGERS WITH NOVEL BALL JOINTS AND ASSEMBLIES AND PROCESSES USING SUCH HEAT EXCHANGERS
United States	11/397,488	April 4, 2006	PYROLYZING GASIFICATION

PATENT APPLICATIONS

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Title</u>
United States	12/215,148	June 25, 2008	ROTARY STARVED AIR COMBUSTER
United States	12/215,161	June 25, 2008	ROLLER HEARTH CALCINING FURNACE AND METHOD OF USE
United States	12/215,147	June 25, 2008	GASIFIER AND GASIFIER SYSTEM FOR PYROLIZING ORGANIC MATERIALS

CANADIAN AND EPO PATENT APPLICATIONS

<u>Application No.</u>	<u>Filing Date</u>	<u>Title</u>
EPO 07867512.1	November 19, 2007	ALL-CERAMIC HEAT EXCHANGERS, SYSTEMS IN WHICH THEY ARE USED AND PROCESSES FOR THE USE OF SUCH SYSTEMS
CANADA PCT/US07/024134	November 19, 2007	ALL-CERAMIC HEAT EXCHANGERS, SYSTEMS IN WHICH THEY ARE USED AND PROCESSES FOR THE USE OF SUCH SYSTEMS
CANADA 2537425	September 8, 2004	HEAT EXCHANGERS WITH NOVEL BALL JOINTS AND ASSEMBLIES AND PROCESSES USING SUCH HEAT EXCHANGERS
CANADA 2545549	November 19, 2004	PYROLYZING GASIFICATION SYSTEM AND METHOD OF USE
CANADA 2636441	June 25, 2008	ROTARY STARVED AIR COMBUSTER
CANADA 2636335	June 25, 2008	ROLLER HEARTH CALCINING FURNACE AND METHOD OF USE
CANADA 2634153	June 18, 2008	GASIFIER AND GASIFIER SYSTEM FOR PYROLYZING ORGANIC MATERIALS

ASSIGNOR also sells, assigns, and transfers to ASSIGNEE the entire right, title, and interest in and to the Patents in all countries foreign to the United States, including all rights under all international conventions.

ASSIGNOR further authorizes ASSIGNEE to apply for Letters Patents and other intellectual property rights in all countries in the name of the inventor(s) who have previously assigned their rights to the ASSIGNOR, and to claim priority of the filing date of the Patents.

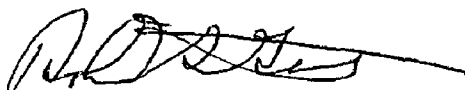
ASSIGNOR further sells, assigns, and transfers to ASSIGNEE the entire right, title, and interest in and to all claims for damages by reason of past infringement of said Patents with the right to sue for and collect same and in and to all legal equivalents of said Patents in foreign countries and any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment.

The Commissioner of Patents and Trademarks of the United States is authorized and requested to grant patents issuing from the assigned patent application or directed to the assigned inventions to ASSIGNEE. ASSIGNOR also authorizes and requests the equivalent authorities in foreign countries to do likewise.

ASSIGNOR further covenants that ASSIGNEE will, upon ASSIGNEE's request, be provided promptly with all pertinent facts and documents relating to said Patents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE, or its legal representatives, any and all papers, instruments, and affidavits required to apply for, obtain, maintain, issue, and enforce said Patents, and said equivalents thereof, which may be necessary or desirable to carry out the purposes hereof, or to effect, confirm, or attest to ASSIGNEE's rights hereunder.

IN WITNESS WHEREOF, ASSIGNOR has executed this Assignment as of the date indicated below.



Robert G. Graham

Date: 6-19-09

1558836

PATENT ASSIGNMENT

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), and for other good and valuable consideration, the receipt and sufficiency of which is acknowledged, ASSIGNOR, Robert G. Graham, residing at 627 E. Grand Lake Road, Presque Isle, Michigan 49777, sells, assigns, and transfers to ASSIGNEE, Heat Transfer International, Inc., a corporation of the State of Michigan, having a place of business at 6871 Dutton Industrial Drive, Dutton, Michigan 49316, the entire right, title, and interest in the United States and in all foreign countries in and to the following patent and the inventions disclosed and claimed therein, along with all patents or other intellectual property rights issuing therefrom (collectively, the "Patents"):

ISSUED PATENT

<u>Country</u>	<u>Patent No.</u>	<u>Issue Date</u>	<u>Title</u>
United States	7,240,724	July 10, 2007	MONOLITHIC TUBE SHEET AND METHOD OF MANUFACTURE

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Title</u>
Canada	2,535,365	July 24, 2004	MONOLITHIC TUBE SHEET AND METHOD OF MANUFACTURE

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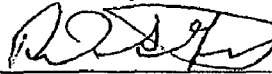
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Robert G. Graham

Date: 6-19-09

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