

RECORDATION FORM COVER

PATENTS ONLY

02-06-2009



103547028

Our Ref.: LCM-45-323

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 1 RHI AG 5 2 6 3 7 4 8 Additional name/s of conveying party/ies attached? ☐ 3. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Assignment ☐ Change of Name ☐ Other _____ Execution Date: <u>September 30, 2008</u>		2. Name and address of receiving party(ies): 1) Name: Refractory Intellectual Property GmbH & Co. KG Street Address: 1100 Wien City: Wienerbergstrabe 11 State/Country: Austria Zip: _____ 2) Name _____ Street Address: _____ City: _____ State: _____ Zip: _____ Additional name/s & address/es attached? ☐ Yes ☒ No	
4. Application number(s) or patent number(s): ☐ This assignment is being filed together with a new application. A. Patent Application No(s). (1) 11/918,776 (2) _____ (3) _____ Additional numbers attached ☐ Yes ☒ No		B. Patent No(s). (1) _____ (2) _____ (3) _____	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Leonard C. Mitchard</u> Internal Address: _____ Street Address: <u>Nixon & Vanderhye P.C.</u> <u>901 North Glebe Road</u> <u>11th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22203</u>		6. Total number of applications & patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$ <u>40.00</u> ☒ Enclosed ☐ Authorized to be charged to deposit account #14-1140 8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.	

DO NOT USE THIS SPACE

9. Statements 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. <u>Leonard C. Mitchard</u> Name of Person Signing Reg. No. 29,009 <u>February 3, 2009</u> Date Total number of pages including original cover sheet, attachments, and document: [4]	
---	--

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, VA 22313-1450

02/05/2009 DBYRNE 00000010 11918776

01 FC:0021

40.00 0P

ASSIGNMENT

This Assignment is made this 30 day of September 2008, between:

RHI AG, an Austrian company of 1100 Wien, Wienerbergstraße 11 (hereinafter referred to as the Assignor); and

Refractory Intellectual Property GmbH & Co. KG (incorporated in Austria) of 1100 Wien, Wienerbergstraße 11 (hereinafter referred to as the Assignee).

The Assignor is the owner of the patents/patent applications and designs/design applications set out in the Schedule hereto (hereinafter referred to as the Patents and Designs) relating to the Inventions contained therein.

In consideration of the sum of Ten Euros (€10) now paid to the Assignor by the Assignee (receipt of which is hereby acknowledged by the Assignor) the Assignor hereby assigns to the Assignee the Patents and Designs and the Inventions referred to above, including all rights arising therefrom, including the right to file further applications in any country in respect of the Inventions, and including the right to bring proceedings for any previous infringement of the rights assigned by this Assignment.

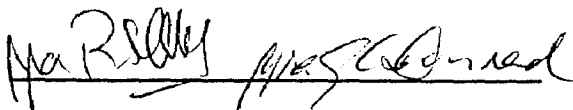
It is also hereby agreed that the Assignor will, at the expense of the Assignee, execute all such documents, and do all such things, as may reasonably be required for the Assignee (or the nominee of the Assignee) to enjoy the full benefit of the property and rights hereby assigned, including (if required to do so by the Assignee) applying for patents and designs in the name of the Assignor.

Signed for and on behalf of

RHI AG

Refractory Intellectual Property
GmbH & Co. KG

Signature:



Name:

SCHMIDT-WHITLEY C. KONRAD

Dr. Stefan Pitter Mag. Bernd Buchberger

Position:

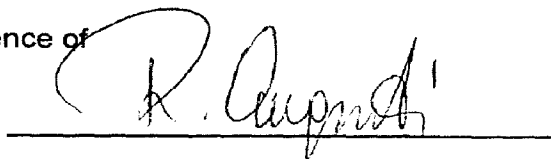
VP

Head of
Legal Departm.

Managing Directors

In the presence of

Signature:



Name of
witness:

REGINA AUGUSTIN

Dr. Franz Reiterer

SCHEDULE

Schedule to assignment dated this 30 day of September 2008, between:
RHI AG and Refractory Intellectual Property GmbH Co. KG
The Patents and Designs included in the assignment are the following:

RHI File No	M&C File No	Country	App No	Pat Grant No	Title
DS4591/CA	DB137366CA	Canada	115200	115200	CBC Flowsplitter
DS4591/EM	DB137366EMA	European Union	000433867	000433867-0001	CBC Flowsplitter
DS4591/US	DB137366US	USA	29/259716		CBC Flowsplitter
DS4592/CA	DB137287CA	Canada	125495		Trapazoidal Port Sen
DS4592/CA/2	DB137287CAA	Canada	125496		Trapazoidal Port Sen
DS4592/EM	DB137287EMA	European Union	000891700-0001	000891700-0001	Trapazoidal Port Sen
DS4592/EM/2	DB137287EMB	European Union	000891700-0002	000891700-0002	Trapazoidal Port Sen
DS4592/US	DB137287US	USA	29/306378		Trapazoidal Port Sen
DS4592/US/2	DB137287USA	USA	29/306379		Trapazoidal Port Sen
PA4579/AU	PB126467AUA	Australia	2002212458	2002212458	Submerged entry nozzle and utilisation thereof
PA4579/BR	PB126467BRA	Brazil	PI0115799-0		Submerged entry nozzle and utilisation thereof
PA4579/CA	PB126467CAA	Canada	2429655		Submerged entry nozzle and utilisation thereof
PA4579/CZ	PB126467CZA	Czech Republic	PV2003-1461		Submerged entry nozzle and utilisation thereof
PA4579/EP/AT	PB126467ATQ	Austria	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/BE	PB126467BEQ	Belgium	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/DE	PB126467DEQ	Germany	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/ES	PB126467ESQ	Spain	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/FI	PB126467FIQ	Finland	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/FR	PB126467FRQ	France	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/GB	PB126467GBQ	United Kingdom	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/IT	PB126467ITQ	Italy	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/NL	PB126467NLQ	Netherlands	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/RO	PB126467ROQ	Romania	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/SE	PB126467SEQ	Sweden	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/EP/TR	PB126467TRQ	Turkey	01980665.2	1 337 370	Submerged entry nozzle and utilisation thereof
PA4579/IN	PB126467INA	India	00788/DELNP/2003		Submerged entry nozzle and utilisation thereof
PA4579/MX	PB126467MXA	Mexico	PA/a/03/004519	234062	Submerged entry nozzle and utilisation thereof
PA4579/MY	PB126467MY	Malaysia	PI20015147	MY-128389-A	Submerged entry nozzle and utilisation thereof
PA4579/PL	PB126467PLA	Poland	P-362068		Submerged entry nozzle and utilisation thereof
PA4579/SK	PB126467SKA	Slovakia	PV 588-2003		Submerged entry nozzle and utilisation thereof
PA4579/TH	PB126467TH	Thailand	069841	18417	Submerged entry nozzle and utilisation thereof

SCHEDULE

Schedule to assignment dated this 30 day of September 2008, between:
RHI AG and Refractory Intellectual Property GmbH Co. KG
The Patents and Designs included in the assignment are the following:

RHI File No	M&C File No	Country	App No	Pat Grant No	Title
PA4579/TW	PB126467TW	Taiwan	90129355	198353	Submerged entry nozzle and utilisation thereof
PA4579/US	PB126467US	USA	09/725711	6,467,704	Submerged entry nozzle and utilisation thereof
PA4579/ZA	PB126467ZA	South Africa	2003/3773	2003/3773	Submerged entry nozzle and utilisation thereof
PA4580/AU	PB124656AU	Australia	2006238723		Seal with expandable graphite
PA4580/BR	PB124656BR	Brazil	PI0610787.7		Seal with expandable graphite
PA4580/CA	PB124656CA	Canada	2604794		Seal with expandable graphite
PA4580/CN	PB124656CN	China	200680013070.4		Seal with expandable graphite
PA4580/EA	PB124656EA	EAPO (Eurasian)	200702279		Seal with expandable graphite
PA4580/EP	PB124656EP	EPO	06726471.3		Seal with expandable graphite
PA4580/IN	PB124656IN	India	3925/KOLNP/2007		Seal with expandable graphite
PA4580/MX	PB124656MX	Mexico	MX/a/2007/012810		Seal with expandable graphite
PA4580/UA	PB124656UA	Ukraine	200712747		Seal with expandable graphite
PA4580/US	PB124656US	USA	11/918776		Seal with expandable graphite
PA4580/ZA	PB124656ZA	South Africa	2007/09855		Seal with expandable graphite
PA4581/AU	PB124655AU	Australia	2006238721		Stopper Rod
PA4581/BR	PB124655BR	Brazil	PI0610783.4		Stopper Rod
PA4581/CA	PB124655CA	Canada	2604791		Stopper Rod
PA4581/CN	PB124655CN	China	200680013069.1		Stopper Rod
PA4581/EA	PB124655EA	EAPO (Eurasian)	200702277		Stopper Rod
PA4581/EP	PB124655EP	EPO	06726376.4		Stopper Rod
PA4581/IN	PB124655IN	India	3920/KOLNP/2007		Stopper Rod
PA4581/MX	PB124655MX	Mexico	MX/a/2007/012926		Stopper Rod
PA4581/TW	PB124655TW	Taiwan	95113868		Stopper Rod
PA4581/UA	PB124655UA	Ukraine	200712748		Stopper Rod
PA4581/US	PB124655US	USA	11/918742		Stopper Rod
PA4581/ZA	PB124655ZA	South Africa	2007/08864		Stopper Rod
PA4582/US	PB124420US	USA	11/120,181		Tundish stopper rod for continuous molten metal casting
PA4582/US/2	PB124420USA	USA	11/404,098		Tundish stopper rod for continuous molten metal casting
PA4583/CN	PB124589CN	China	200680019639.8		Stopper Rod
PA4583/EP	PB124589EP	EPO	06744052.9		Stopper Rod

PATENT

RECORDED: 02/03/2009

REEL: 022217 FRAME: 0358