

PATENT ASSIGNMENT

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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>Hannes BEILE</td> <td>02/05/2013</td> </tr> <tr> <td>Markus DORNDORF</td> <td>02/05/2013</td> </tr> <tr> <td>Hansjoerg HUBER</td> <td>02/04/2013</td> </tr> <tr> <td>Chirstiane KIESSNER</td> <td>02/04/2013</td> </tr> <tr> <td>Petra KREUDER</td> <td>01/15/2013</td> </tr> <tr> <td>Matthias KRIEG</td> <td>02/04/2013</td> </tr> <tr> <td>Alexander MUELLER</td> <td>02/05/2013</td> </tr> <tr> <td>Robert SCHALAST</td> <td>02/11/2013</td> </tr> <tr> <td>Michael SCHMID</td> <td>02/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	Hannes BEILE	02/05/2013	Markus DORNDORF	02/05/2013	Hansjoerg HUBER	02/04/2013	Chirstiane KIESSNER	02/04/2013	Petra KREUDER	01/15/2013	Matthias KRIEG	02/04/2013	Alexander MUELLER	02/05/2013	Robert SCHALAST	02/11/2013	Michael SCHMID	02/06/2013
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RECEIVING PARTY DATA																					
Name:	SIEMENS VAI METALS TECHNOLOGIES GMBH																				
Street Address:	Reithallenstrasse 1																				
City:	Willstaett																				
State/Country:	GERMANY																				
Postal Code:	77731																				
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>13825768</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13825768																
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CORRESPONDENCE DATA																					
Fax Number:	2024341501																				
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																					
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OP \$40.00 13825768

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ATTORNEY DOCKET NUMBER: 2454.1370

NAME OF SUBMITTER: Richard A. Gollhofer

Signature: /Richard A. Gollhofer/

Date: 06/05/2013

Total Attachments: 8

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ASSIGNMENT

For good and valuable consideration, I (We),

Hannes Beile, residing at Bachstraße 11 a, Ettenheim, 77955, DE, citizen of DE

Markus Dorndorf, residing at Mauerbergstr. 31, Baden-Baden, 76534, DE, citizen of DE

Hansjörg Huber, residing at Friedhofstr. 103, Kehl, 77694, DE, citizen of DE

Christiane Kiessner, residing at Wilhelm-Gräßling-Weg 7, Kehl, 77694, DE, citizen of DE

Petra Kreuder, residing at Lilienweg 9e, Waldkirch, 79183, DE, citizen of DE

Matthias Krieg, residing at Schlauchstr. 22, Ohlsbach, 77797, DE, citizen of DE

Alexander Müller, residing at Franz-Volk-Str. 17, Offenburg, 77652, DE, citizen of DE

Robert Schalast, residing at Pappelweg 15, Willstätt-Legelshurst, 77731, DE, citizen of DE

Michael Schmid, residing at Brauereistraße 2a, Biberach/Baden, 77781, DE, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Siemens VAI Metals Technologies GmbH**, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Reithallenstraße 1, Willstätt, 77731, GERMANY, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of GERMANY or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

Patent Application Title: **PREHEATING APPARATUS FOR STEEL SCRAP AND METALLURGICAL MELTING VESSEL EQUIPPED THEREWITH**

Filing Date (MM/DD/YYYY): 09/15/2011

Filing Number: PCT/EP2011/066018

Internal Case Number(s): 2010P15960WOUS

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

M. Scharnagl
Witness Signature

Hannes Beile
Hannes Beile

Meike Scharnagl
printed name

5-2-2013
Date

M. Scharnagl
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Markus Dörndorf
Markus Dörndorf

Meike Scharnagl
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05.02.2013
Date

M. Scharnagl
Witness Signature

[Signature]
Hansjörg Huber

Heike Scharnagl
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04.02.2013
Date

[Signature]
Witness Signature

Christiane Klessner
Christiane Klessner

Björn Galler
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04.02.2013
Date

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Petra Kreuder

printed name

Date

M. Scharnagl
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[Signature]
Matthias Krieg

Heike Scharnagl
printed name

04.02.2013
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M. Scharnagl
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Alexander Müller

Heike Scharnagl
printed name

05.02.2013
Date

M. Scharnagl
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Robert Schalast

Meike Scharnagl
printed name

11.02.13
Date

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[Signature]
Michael Schmid

BARBARA HAUSMANN
printed name

06.02.13
Date

Companies Representative(s)
Siemens VAI Metals Technologies GmbH

Signature [Signature]
Name Dr. Moritz
Date 07.05.2013

Signature [Signature]
Name Milzarek
Date 06. MAI 2013

Companies Representative(s)
Siemens Aktiengesellschaft

Signature _____
Name _____
Date _____

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printed name

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Markus Dorndorf

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Hansjörg Huber

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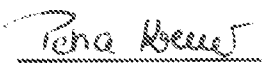
Witness Signature

Christiane Klessner

printed name

Date


Witness Signature


Petra Kreuder

Carolin Markus
printed name

15.01.2013
Date

Witness Signature

Matthias Krieg

printed name

Date

Witness Signature

Alexander Möller

printed name

Date

Witness Signature

Robert Schalast

printed name

Date

Witness Signature

Michael Schmid

printed name

Date

Companies Representative(s)
Siemens VAI Metals Technologies GmbH

Signature
Name

[Handwritten Signature]
Dr. Moritz

Date

07.05.2013

Signature
Name

[Handwritten Signature]
Mitzarek

Date

06. MAI 2013

Companies Representative(s)
Siemens Aktiengesellschaft

Signature
Name

Date

Signature
Name

Date