

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3042326

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SIEMENS VAI METALS TECHNOLOGIES LIMITED	04/12/2013

RECEIVING PARTY DATA

Name:	SIEMENS PLC
Street Address:	FARADAY HOUSE, SIR WILLIAM SIEMENS SQUARE
Internal Address:	FRIMLEY, CAMBERLEY
City:	SURREY
State/Country:	UNITED KINGDOM
Postal Code:	GU16 8QD

PROPERTY NUMBERS Total: 11

Property Type	Number
Patent Number:	5735931
Patent Number:	6161412
Patent Number:	5699694
Patent Number:	5711175
Application Number:	12521145
Application Number:	12525738
Application Number:	12676941
Application Number:	12936410
Application Number:	13140864
Application Number:	13260622
Application Number:	12954370

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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PATENT

ATTORNEY DOCKET NUMBER:	03869.100001
NAME OF SUBMITTER:	TODD ROSSON
SIGNATURE:	/tar/
DATE SIGNED:	09/29/2014
Total Attachments: 4 source=Assignment_SiemensVAIMetals_SiemensPLC#page1.tif source=Assignment_SiemensVAIMetals_SiemensPLC#page2.tif source=Assignment_SiemensVAIMetals_SiemensPLC#page3.tif source=Assignment_SiemensVAIMetals_SiemensPLC#page4.tif	

**ASSIGNMENT OF PATENT APPLICATIONS, LETTERS PATENT
AND INVENTIONS**

WHEREAS, **SIEMENS VAI METALS TECHNOLOGIES LIMITED**, doing business at Davy House, Unit S, Europa Link, Sheffield Business Park, Sheffield, South Yorkshire, United Kingdom S9 1XU, (hereinafter "ASSIGNOR"), owns certain inventions and improvements disclosed in patent applications filed with the United States Patent and Trademark Office and Letters Patent issued by the United States Patent and Trademark Office, listed in attached Exhibit A; and

WHEREAS, **SIEMENS PLC**, doing business at Faraday House, Sir William Siemens Square, Frimley, Camberley, Surrey, United Kingdom GU16 8QD, (hereinafter, "ASSIGNEE") is desirous of acquiring an interest in the same;

NOW, THEREFORE, this Assignment witnesses as follows:

1. **Definitions.**

In this Assignment, the following terms shall have the following meanings:

- | | |
|-------------------------|--|
| "Intellectual Property" | the Technology and Patents. |
| "Technology" | any and all inventions, technology, materials and know-how relating to the technology described in attached Exhibit A, and which have been developed by the ASSIGNOR and the Inventors, and all rights in such inventions, technology, materials and know-how. |
| "Patents" | the patents and patent applications identified in attached Exhibit A, and any future patents and patent applications which are based upon or derive priority from that listed in Exhibit A. |

2. **Assignment.**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR, by these presents does sell, assign, and transfer to the ASSIGNEE, the entire right, title, and interest in and to said applications and Letters Patent, in

and to any divisions, continuations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said applications and Letters Patent, preparatory to obtaining Letters Patent of the United States therefor; and ASSIGNOR hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said applications, or from divisions, continuations, or reissues thereof, to ASSIGNEE, for its interest and for the sole use and benefit of ASSIGNEE, and its assigns and legal representatives, including all rights the ASSIGNOR may have to sue for damages and other remedies in respect of any infringement of the Letters Patent which may have occurred before the date of this assignment; the same to be held and enjoyed by the ASSIGNEE, for its own use and behoof, and for its legal representatives and assigns, to the full end of the term for which said Letters Patent are granted, as fully and entirely as the same would have been held by the ASSIGNOR had this assignment and sale not been made;

For the same consideration, the ASSIGNOR, by these presents, does sell, assign, and transfer to the ASSIGNEE the full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said applications, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of the ASSIGNEE or its designee insofar as permitted by applicable law;

The assignment effected herein shall include, without limitation, the assignment and transfer of (a) all patents and other intellectual property that may be granted pursuant to the applications and patents listed in the attached Exhibit A, as well as all patents and other Intellectual Property that may derive priority from or have equivalent claims to or be based upon the Intellectual Property in any country of the world (and including supplementary protection certificates, divisions, continuations, continuations-in-part, reissues, and extensions), and the Intellectual Property shall be deemed to include all such items of property; and (b) all rights of

action, powers and benefits arising from ownership of the Technology and the Intellectual Property, including, without limitation, the right to sue for damages and other legal and equitable remedies in respect to all causes of action arising prior to, on or after the date of this Assignment; and; (c) all rights of ownership of any materials that form part of the Intellectual Property, including, without limitation, any cell lines, antibodies, or other materials.

AND, for the same consideration, the ASSIGNOR agrees to sign all lawful papers, execute all reissue, and other applications, make all assignments and rightful oaths, be joined with the ASSIGNEE as a nominal party if necessary to satisfy any requirement of law in any proceeding in respect of infringement of the Letters Patent occurring before the effective date of this assignment, and generally do everything possible to aid the ASSIGNEE, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

IN WITNESS WHEREOF, this Assignment is executed by its duly authorized officer, this 12 day of April, 2013.

ASSIGNOR: **SIEMENS VAI METALS TECHNOLOGIES LIMITED**

By: Nigel Hayes
(Signature)
NIGEL HAYES MANAGING DIRECTOR
(Name and Title)

IN WITNESS WHEREOF, acceptance of this Assignment is executed by its duly authorized officer, this 3rd day of May, 2013.

ASSIGNEE: **SIEMENS PLC**

By: [Signature]
(Signature)
Det. Bruns, Head of Intellectual Property
(Name and Title)
(as attorney for Siemens plc).

Exhibit A

Client Reference	Filing Date	Application No.	Title	Publication No.	Issue Date	Patent No.
1992P55902WOLUS	11.06.1994	68/595334	Slag Granulator		07.04.1998	5735931
1994P565801WOLUS	02.11.1995	68/617878	A multi strand finishing block		19.12.2000	6161412
1995P56904 US	22.05.1996	68/651487	Heat Shields		23.12.1997	5698694
1996P56901 US81	03.03.1997	68/804293	Heat Shields for Roller Tables		27.01.1998	5711175
1996P56902WOLUS	16.07.1999	69/743969	Apparatus And Method For Controlling The Flow Of Molten Metal		10.06.2003	6575224
2004P96055WOLUS	16.11.2005	11/720,290	Device for distributing material into an enclosure			
2006P96030WOLUS	05.10.2006	12/689,079	Multiple piece roll	20080008563		
2008P25787WOLUS	19.11.2007	12/521,145	Apparatus and method for controlled cooling	20090256932	22.02.2011	7691224
2007P03363WOLUS	08.02.2008	12/527,495	Method and apparatus for thermo-mechanical controlled rolling of metal plates and strips	20100077823		
2007P03520WOLUS	13.02.2008	12/525,738	Cyclone with classifier inlet and small particle by-pass	20130147149		
2007P03808WOLUS	01.05.2008	12/676,941	Multiple actuating force shearing machine	20100229705		
2007P06683WOLUS	19.03.2008	12/836,410	Method and apparatus for controlled cooling	20110107776		
2008P16445WOLUS	12.11.2009	13/129,743	Shear with Variable Stroke Cutting	20110259164		
2008P22058WOLUS	23.11.2009	13/142,864	Rolling Mill Temperature Control	20110268280		
2008P23121WOLUS	09.02.2010	13/260,653	Fully Hydraulic Edger for Plate Mills	20120090373		
2008P03924 US	17.03.2010	12/735,687	Edge flatness monitoring	20100236910		
2008P12200 US	19.10.2010	12/907,129	Aligning Device for High Aspect Ratio Slabs or Plates	20110088445		
2009P13369 US	29.10.2010	12/915,393	Flow Control Valve	20110140469		
2009P22672 US	24.11.2010	12/954,376	A Furnace Chute	20110132242		

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