

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6645878

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LIDONG TENG	09/05/2019
ANDERS LEHMAN	09/12/2019
HONGLIANG YANG	09/03/2019
ANDREA GRASSELLI	09/05/2019
MARIA SILVIO REALI	09/05/2019
RECEIVING PARTY DATA	
Name:	ABB SCHWEIZ AG
Street Address:	BRUGGERSTRASSE 66
City:	BADEN
State/Country:	SWITZERLAND
Postal Code:	CH-5400
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Street Address:	VIA MONTE ROSA 93
City:	MILANO
State/Country:	ITALY
Postal Code:	IT-20149
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17143415
CORRESPONDENCE DATA	
Fax Number:	(203)703-0801
<i>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.</i>	
Phone:	12037030800
Email:	Patent@whipgroup.com
Correspondent Name:	WESLEY W. WHITMYER, JR.
Address Line 1:	600 SUMMER STREET
Address Line 4:	STAMFORD, CONNECTICUT 06901
ATTORNEY DOCKET NUMBER:	04190-P0405B

NAME OF SUBMITTER:	WESLEY W. WHITMYER, JR.
SIGNATURE:	/ Wesley W. Whitmyer, Jr. /
DATE SIGNED:	04/08/2021
Total Attachments: 7 source=Executed Dual Assignment (update ABB Schweiz AG when recording)#page1.tif source=Executed Dual Assignment (update ABB Schweiz AG when recording)#page2.tif source=Executed Dual Assignment (update ABB Schweiz AG when recording)#page3.tif source=Executed Dual Assignment (update ABB Schweiz AG when recording)#page4.tif source=Executed Dual Assignment (update ABB Schweiz AG when recording)#page5.tif source=Executed Dual Assignment (update ABB Schweiz AG when recording)#page6.tif source=Executed Dual Assignment (update ABB Schweiz AG when recording)#page7.tif	

Assignment

WHEREAS, We, the undersigned inventors, have made certain inventions or discoveries (or both) as set forth in an application for Letters Patent of the United States of America, entitled **Furnace Assembly For A Metal-Making Process**, bearing US Patent Application No. 16/482,033 and filed on July 30, 2019;

WHEREAS, **ABB Schweiz AG**, a company organized and existing under the laws of Switzerland, and having an office and place of business at Intellectual Property (CH-LC/IP); Brown Boveri Strasse 6; CH-5400 Baden, Switzerland, and,

Tenova S.p.A., a company organized and existing under the laws of Italy, and having an office and place of business at Via Monte Rosa 93; IT-20149 Milano, Italy,

and together with its successors and assigns is hereinafter called "Assignee", and is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

NOW THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in any or all countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patents to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal

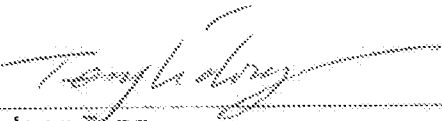
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and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns, which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN WITNESS WHEREOF, we, Lidong Teng, Anders Lehman, Hongliang Yang, Andrea Grasselli, and Silvio Maria Reali, have hereunto set our hands and signed our names.

2019-09-05
Date


Lidong Teng
Lejongapsvägen 9
SE-722 46 Västerås, Sweden

Declaration of Witness

I declare that I was personally present and did see Lidong Teng, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Västerås, on 2019-09-05


Signature of Witness

HUA MENG
Name of Witness

2019-09-12
Date


Anders Lehman
Skaldevägen 64
SE-167 73 Bromma, Sweden

Declaration of Witness

I declare that I was personally present and did see Anders Lehman, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

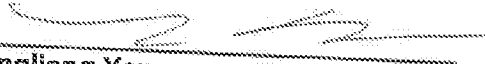
Declared at Västerås, on 2019-09-12.


Signature of Witness

LI DONG TENG
Name of Witness

2019-09-03

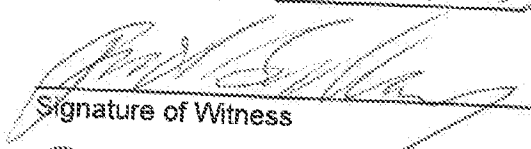
Date


Hongliang Yang
Logportsvägen 10
SE-724 82 Västerås, Sweden

Declaration of Witness

I declare that I was personally present and did see Hongliang Yang, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at VÄSTERÅS, on 2019-09-03

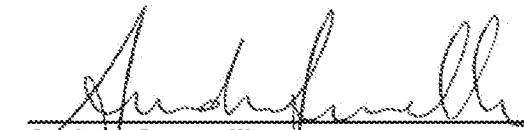

Signature of Witness

FREDRIK SANDBERG
Name of Witness

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5/9/2019
Date


Andrea Grasselli
Viale dei Giardini 5
IT-20831 Seregno, Italy

Declaration of Witness

I declare that I was personally present and did see Andrea Grasselli, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at CASTELLANZA (VA) - ITALY, on 5/9/2019.

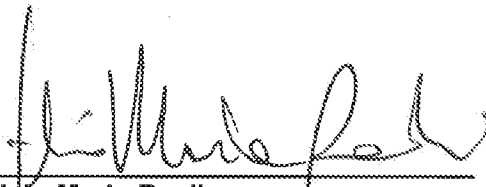

Signature of Witness

PAOLO PALLOTTI
Name of Witness

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5/9/2019
Date


Silvio Maria Reali
Via Emanuele Filiberto 4
IT-20149 Milano, Italy

Declaration of Witness

I declare that I was personally present and did see Silvio Maria Reali, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at CASTELLANZA (VA) - ITALY, on 5/9/2019.


Signature of Witness

PAOLO PALLOTTI
Name of Witness