PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS PASCH	03/18/2021
MESUT GÖCOGLU	03/25/2021
RALF NÖRTHEMANN	03/17/2021

RECEIVING PARTY DATA

Name:	SMS GROUP GMBH
Street Address:	EDUARD-SCHLOEMANN-STR. 4
City:	DÜSSELDORF
State/Country:	GERMANY
Postal Code:	40237

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17279866

CORRESPONDENCE DATA

Fax Number: (212)661-8002

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.

Phone: 2126618000

Email: INFO@Imiplaw.com

Correspondent Name: LUCAS & MERCANTI LLP

Address Line 1: 30 BROAD STREET

Address Line 2: 21ST FLOOR

Address Line 4: NEW YORK, NEW YORK 10004

ATTORNEY DOCKET NUMBER:	HM-1014
NAME OF SUBMITTER:	KLAUS P. STOFFEL
SIGNATURE:	/KLAUS P. STOFFEL/
DATE SIGNED:	12/05/2023

Total Attachments: 3

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PATENT 508264235 REEL: 065765 FRAME: 0657

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

TITLE OF METHOD FOR OPERATING AN ELECTRIC ARC FURNACE INVENTION As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or United States application or PCT international application number PCT/EP2019/073501 filed on SEPTEMBER 4, 2019. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both. WHEREAS, I, the below-identified Inventor, has invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter "Invention"); WHEREAS, SMS GROUP GMBH (hereinafter "Assignee") having place of business at: Eduard-Schloemann-Str. 4, 40237 Düsseldorf, Germany, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States or its territorial possessions and in any and all foreign countries; NOW, THEREFORE, good and valuable consideration having been paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged; I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights. Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee; And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto; And I further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense. The undersigned hereby grants the firm of LUCAS & MERCANTI, LLP, located at 30 Broad Street, New York, New York, 10004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. Inventor: Thomas PASCH Date: 18.03. 2021 LEGAL NAME Signature:

LUCAS & MERCANTI, LLP 30 BROAD STREET, 21ST FLOOR NEW YORK, NY 10004

OF INVENTOR

PATENT **REEL: 065765 FRAME: 0658**

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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I	N	Æ	I	Ί	N

INVENTION	METHOD FOR OPERATING AN ELECTRIC ARC FURNACE			
As the below named inventor, I hereby declare that:				
This declaration is directed to:				
☐ The attached applic ☐ United States appli	ation, or cation or PCT international application number <u>PCT/EP2019/073501</u> filed on <u>SEPTEMBER 4, 2019</u> .			
The above-identified application was made or authorized to be made by me.				
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.				
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.				

WHEREAS, I, the below-identified Inventor, has invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter "Invention");

WHEREAS, SMS GROUP GMBH (hereinafter "Assignee") having place of business at: Eduard-Schloemann-Str. 4, 40237 Düsseldorf, Germany, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States or its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, good and valuable consideration having been paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged;

I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And I further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense.

The undersigned hereby grants the firm of LUCAS & MERCANTI, LLP, located at 30 Broad Street, New York, New York, 10004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

Inventor: Mesut GÖCOGL Date: 25 March **LEGAL NAME** OF INVENTOR

> LUCAS & MERCANTI, LLP 30 BROAD STREET, 21ST FLOOR NEW YORK, NY 10004

> > PATENT REEL: 065765 FRAME: 0659

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

TITLE OF INVENTION	METHOD FOR OPERATING AN ELECTRIC ARC FURNA	CE		
As the below named in	As the below named inventor, I hereby declare that:			
This declaration is dire	octed to:			
☐The attached applic				
☑ United States appli	cation or PCT international application number PCT/EP2019/073501 filed on SI	EPTEMBER 4, 2019.		
The above-identified a	pplication was made or authorized to be made by me.			
	original inventor or an original joint inventor of a claimed invention in the applic	1		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.				
WHEREAS, I, the below-identified Inventor, has invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter "Invention");				
WHEREAS, SMS GROUP GMBH (hereinafter "Assignee") having place of business at: Eduard-Schloemann-Str. 4, 40237 Düsseldorf, Germany, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States or its territorial possessions and in any and all foreign countries;				
sufficiency of which a	ORE, good and valuable consideration having been paid to each of the undersigned re hereby acknowledged;	1		
I hereby assign, sell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;				
And I hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;				
And I further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees may from time to time require and prepare at its own expense.				
The undersigned hereby grants the firm of LUCAS & MERCANTI, LLP, located at 30 Broad Street, New York, New York, 10004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.				
LEGAL NAME		Date: 17.03.2021		

LUCAS & MERCANTI, LLP 30 BROAD STREET, 21ST FLOOR NEW YORK, NY 10004

> PATENT REEL: 065765 FRAME: 0660

RECORDED: 12/05/2023