506309137 10/19/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

EPAS ID: PAT6355886

CONVEYING PARTY DATA

NATURE OF CONVEYANCE:

Name	Execution Date
PETER STARKE	09/08/2020
ANDREAS SCHÜRING	08/13/2020
THOMAS HENKEL	08/13/2020
HANS-JÜRGEN ODENTHAL	08/13/2020

ASSIGNMENT

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16978378

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 212-661-8000 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-1008
NAME OF SUBMITTER:	KLAUS P. STOFFEL
SIGNATURE:	/KLAUS P. STOFFEL/
DATE SIGNED:	10/19/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT 506309137 REEL: 054093 FRAME: 0672

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PATENT REEL: 054093 FRAME: 0673

TITLE OF INVENTION	SMELTING ASSEMBLY FOR THE PRODUCTION OF ST	TEEL
As the below named in	ventor, I hereby declare that:	
This declaration is dire	ected to:	
☐The attached applic	ation, or	
United States appli	cation or PCT international application number PCT/EP2019/055408 filed on	MARCH 5, 2019.
The above-identified a	pplication 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 app	lication.
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.		
	below-identified Inventor, has invented certain new and useful improvements at the above-identified patent application(s) and/or patent(s) (hereinafter "Inventor)	
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.		
LEGAL NAME OF INVENTOR	Signature:	Date: 8, 9,2020

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

TITLE OF INVENTION	SMELTING ASSEMBLY FOR THE PRODUCTION OF ST	TEEL
As the below named in	eventor, I hereby declare that:	
This declaration is dire	ected to:	
☐The attached applic	ation, or	
United States appli	cation or PCT international application number PCT/EP2019/055408 filed on I	MARCH 5, 2019.
The above-identified a	pplication 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 app	lication.
	that any willful false statement made in this declaration is punishable under 18 nore than five (5) years, or both.	U.S.C. § 1001 by fine or
	below-identified Inventor, has invented certain new and useful improvements the above-identified patent application(s) and/or patent(s) (hereinafter "Inventor").	
Düsseldorf, Germany,	GROUP GMBH (hereinafter "Assignee") having place of business at: Eduardis desirous of acquiring the entire right, title and interest in and to said inventionated therefore in the United States or its territorial possessions and in any and a	on and in and to any Letters
	RE, good and valuable consideration having been paid to each of the undersign re hereby acknowledged;	ned, the receipt and
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;		
for filing divisions, co reissues of any Letters	e to sign and execute all necessary and lawful future documents, including app ntinuations and continuations-in-part of said application for patent and/or for o Patent which may be granted for my aforesaid Invention, as the Assignee or it require and prepare at its own expense.	btaining any reissue or
10004, the power to in	nereby grants the firm of LUCAS & MERCANTI, LLP, located at 30 Broad Strusert on this assignment any further identification which may be necessary or definited States Patent Office for recordation of this document.	
LEGAL NAME OF INVENTOR	Inventor: Andreas SCHÜRING Signature: A. Solin may	20 20 - 08 - 13 Date:

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

> PATENT REEL: 054093 FRAME: 0675

TITLE OF INVENTION	SMELTING ASSEMBLY FOR THE PRODUCTION OF STEEL	
As the below named inventor, I hereby declare that:		
This declaration is dire	ected to:	
☐The attached applic ☐ United States appli	ation, or cation or PCT international application number <u>PCT/EP2019/055408</u> filed on <u>MARCH 5, 2019</u> .	
The above-identified a	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 imprisonment of not n	that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or nore than five (5) years, or both.	
WHEREAS, I, the	below-identified Inventor, has invented certain new and useful improvements in the Invention identified to the above-identified patent application(s) and/or patent(s) (hereinafter "Invention");	
Dijecoldorf Cermany	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters unted therefore in the United States or its territorial possessions and in any and all foreign countries;	
NOW, THEREFO	ORE, good and valuable consideration having been paid to each of the undersigned, the receipt and tre hereby acknowledged;	
above, including any of United States, and conversion rights, and	ell and transfer my above-identified rights, title and interest in said Invention, said application(s) as identified divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the intries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and of, which may be granted or have granted for said Invention, and in and to any and all priority rights, dother benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of States and countries foreign thereto, unto said Assignee;	
which may issue for s	norize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent aid Invention to said Assignee, as assignee of the whole right, title and interest thereto;	
for filing divisions, or reissues of any Letter may from time to time	co to sign and execute all necessary and lawful future documents, including applications for foreign patents, ontinuations and continuations-in-part of said application for patent and/or for obtaining any reissue or so Patent which may be granted for my aforesaid Invention, as the Assignee or its successors and designees to require and prepare at its own expense.	
10004 the nower to i	hereby grants the firm of LUCAS & MERCANTI, LLP, located at 30 Broad Street, New York, New York, nsert on this assignment any further identification which may be necessary or desirable in order to comply United States Patent Office for recordation of this document.	
	The HONEST	
LEGAL NAME OF INVENTOR		
	LUCAS & MERCANTI LIP	

30 BROAD STREET, 21ST FLOOR NEW YORK, NY 10004

> PATENT REEL: 054093 FRAME: 0676

TITLE OF INVENTION	SMELTING ASSEMBLY FOR THE PRODUCTION OF ST	EEL
As the below named in	ventor, I hereby declare that:	
This declaration is dire	cted to:	,
☐The attached applic ☑ United States appli	ation, or cation or PCT international application number <u>PCT/EP2019/055408</u> filed on <u>I</u>	MARCH 5, 2019.
The above-identified a	pplication 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 appl	ication.
	that any willful false statement made in this declaration is punishable under 18 ore than five (5) years, or both.	U.S.C. § 1001 by fine or
	below-identified Inventor, has invented certain new and useful improvements the above-identified patent application(s) and/or patent(s) (hereinafter "Invent	
Düsseldorf, Germany,	GROUP GMBH (hereinafter "Assignee") having place of business at: Eduardis desirous of acquiring the entire right, title and interest in and to said inventionated therefore in the United States or its territorial possessions and in any and a	n and in and to any Letters
	RE, good and valuable consideration having been paid to each of the undersign to hereby acknowledged;	ed, the receipt and
above, including any d United States, and cou reexaminations thereof Convention rights, and	Il and transfer my above-identified rights, title and interest in said Invention, so ivisions, continuations, and continuations-in-part thereof, and in and to any anotheries foreign thereto, which may be granted for said Invention, and in and to a f, which may be granted or have granted for said Invention, and in and to any a other benefits accruing or to accrue to us with respect to the filing of application tates and countries foreign thereto, unto said Assignee;	i all Letters Patent of the ny and all reissues and nd all priority rights,
	orize and request the Commissioner of Patents and Trademarks to issue any Uraid Invention to said Assignee, as assignee of the whole right, title and interest to	
for filing divisions, co reissues of any Letters	e to sign and execute all necessary and lawful future documents, including appininuations and continuations-in-part of said application for patent and/or for of Patent which may be granted for my aforesaid Invention, as the Assignee or it require and prepare at its own expense.	btaining any reissue or
10004, the power to in	ereby grants the firm of LUCAS & MERCANTI, LLP, located at 30 Broad Str sert on this assignment any further identification which may be necessary or de nited States Patent Office for recordation of this document.	
LEGAL NAME OF INVENTOR	Inventor: Hans-Jürgen ODENTHAL Signature:	Date: 13, 8, 7020

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

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PATENT REEL: 054093 FRAME: 0677

RECORDED: 10/19/2020