

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5690085

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DR. THOMAS FLEHMIG	08/28/2019
MARTIN KIBBEN	08/14/2019
DANIEL NIERHOFF	08/14/2019
ARNDT MARX	07/26/2019
DANIEL CASPARY	07/25/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THYSSENKRUPP STEEL EUROPE AG
<b>Street Address:</b>	KAISER-WILHELM-STRASSE 100
<b>City:</b>	DUISBURG
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	47166
<b>Name:</b>	THYSSENKRUPP AG
<b>Street Address:</b>	THYSSENKRUPP ALLEE 1
<b>City:</b>	ESSEN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	45143
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16475474
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	248-270-2885
<b>Email:</b>	alex@rmcklaw.com
<b>Correspondent Name:</b>	RMCK LAW GROUP, PLC
<b>Address Line 1:</b>	P.O. BOX 210280
<b>Address Line 4:</b>	AUBURN HILLS, MICHIGAN 48321
<b>ATTORNEY DOCKET NUMBER:</b>	4838-000073/US/NPB

<b>NAME OF SUBMITTER:</b>	ALEXANDRA WROBLEWSKI
<b>SIGNATURE:</b>	/Alexandra Wroblewski/
<b>DATE SIGNED:</b>	08/28/2019
<b>Total Attachments: 5</b> source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif source=Executed_Assignment#page3.tif source=Executed_Assignment#page4.tif source=Executed_Assignment#page5.tif	

**ASSIGNMENT**

WHEREAS, we, the undersigned inventors, having our residences as set forth below, hereinafter referred to as "ASSIGNORS," have invented a certain new invention for:

**METHOD FOR PRODUCING SHEET METAL COMPONENTS AND DEVICE THEREFOR**

as described and set forth in U.S. National Stage Patent Application No. 16/475,474 filed on July 2, 2019, and related PCT International Patent Application No. PCT/EP2018/050039 filed on January 2, 2018, preparatory to obtaining Letters Patent of the United States therefor; and

WHEREAS, THYSSENKRUPP STEEL EUROPE AG, a company organized under the laws of Germany, with its principal place of business at Kaiser-Wilhelm-Straße 100, 47166 Duisburg, DE and THYSSENKRUPP AG, a company organized under the laws of Germany, with its principal place of business at ThyssenKrupp Allee 1, 45143 Essen, Germany, hereinafter collectively referred to as "ASSIGNEES", are together desirous of jointly acquiring ASSIGNORS' entire right, title and interest in and to said invention, improvements, application and any Letters Patents which may be granted therefor or thereupon in any country, together with any and all non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof in all countries throughout the world;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration by ASSIGNEES to ASSIGNORS, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto ASSIGNEES, their respective successors and assigns, the entire right, title and interest in and to said invention, improvements, and in and to said application and any Letters Patents which may be granted therefor or thereupon, together with any and all non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, and ASSIGNORS authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for or upon said invention or applications, or patents resulting therefrom, insofar as my interest is concerned, unto ASSIGNEES in accordance with this Assignment. To the extent applicable, ASSIGNORS also hereby assign to ASSIGNEES, their respective successors and assigns, all right, title and interest to sue third parties for any past, present or future infringement, and to collect all damages relating thereto, of all Letters Patents assigned herein.

ASSIGNORS also assign to ASSIGNEES, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in ASSIGNEES.


## JOINT ASSIGNMENT

Attorney Docket No. 4838-000073/US/NPB

ASSIGNORS will communicate to ASSIGNEES, their respective successors and assigns or their representatives, any facts known to us respecting said invention and improvements; and, at the expense of ASSIGNEES, ASSIGNORS will fully cooperate in any legal proceedings, including any proceeding within the United States Patent and Trademark Office or other Patent Office anywhere in the world, relating thereto, sign all lawful papers, execute all non-provisional, divisional, continuing, continuations-in-part, reissue and substitute applications, make all rightful oaths and declarations, and, in addition, execute any and all documents required to vest title in ASSIGNEES and to aid ASSIGNEES to obtain and enforce proper protection for said invention in all countries.

ASSIGNORS covenant that ASSIGNORS have the full right to convey the interest assigned by this Assignment, and that ASSIGNORS have not executed and will not execute any agreement in conflict with this Assignment.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

<b>LEGAL NAME OF ADDITIONAL OR JOINT INVENTOR, if any:</b>			
Given Name (first and middle if any) and Family Name or Surname			
Dr. Thomas Flehmig			
Inventor's Signature 			Date (Optional) 29.08.2019
Residence: City	State	Country	
Ratingen		DE	
Mailing Address			
Annette-Kolb-Straße 4			
City	State	Postal (Zip) Code	Country
Ratingen		40885	DE

<b>LEGAL NAME OF ADDITIONAL OR JOINT INVENTOR, if any:</b>			
Given Name (first and middle if any) and Family Name or Surname			
Martin Kibben			
Inventor's Signature			Date (Optional)
Residence: City	State	Country	
Dinslaken		DE	
Mailing Address			
Sibyllenweg 19			
City	State	Postal (Zip) Code	Country
Dinslaken		46537	DE

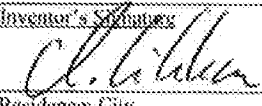
Assignment -- page 2 of 3

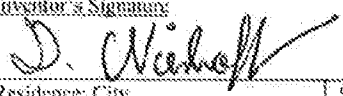
ASSIGNORS will communicate to ASSIGNEES, their respective successors and assigns or their representatives, any facts known to us respecting said invention and improvements; and, at the expense of ASSIGNEES, ASSIGNORS will fully cooperate in any legal proceedings, including any proceeding within the United States Patent and Trademark Office or other Patent Office anywhere in the world, relating thereto, sign all lawful papers, execute all non-provisional, divisional, continuing, continuations-in-part, reissue and substitute applications, make all rightful oaths and declarations, and, in addition, execute any and all documents required to vest title in ASSIGNEES and to aid ASSIGNEES to obtain and enforce proper protection for said invention in all countries.

ASSIGNORS covenant that ASSIGNORS have the full right to convey the interest assigned by this Assignment, and that ASSIGNORS have not executed and will not execute any agreement in conflict with this Assignment.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

<b>LEGAL NAME OF ADDITIONAL OR JOINT INVENTOR, if any:</b>			
<u>Given Name (first and middle(if any)) and Family Name or Surname</u>			
Dr. Thomas Flehmig			
<u>Inventor's Signature</u>			<u>Date (Optional)</u>
<u>Residence: City</u>	<u>State</u>	<u>Country</u>	
Ratingen		DE	
<u>Mailing Address</u>			
Annette-Kolb-Straße 4			
<u>City</u>	<u>State</u>	<u>Postal (Zip) Code</u>	<u>Country</u>
Ratingen		40885	DE


<b>LEGAL NAME OF ADDITIONAL OR JOINT INVENTOR, if any:</b>			
<u>Given Name (first and middle(if any)) and Family Name or Surname</u>			
Martin Kibben			
<u>Inventor's Signature</u>			<u>Date (Optional)</u>
			August 14, 2014
<u>Residence: City</u>	<u>State</u>	<u>Country</u>	
Dinslaken		DE	
<u>Mailing Address</u>			
Sibylleneweg 19			
<u>City</u>	<u>State</u>	<u>Postal (Zip) Code</u>	<u>Country</u>
Dinslaken		46537	DE

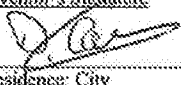
<b>LEGAL NAME OF ADDITIONAL OR JOINT INVENTOR, if any:</b>			
<u>Given Name (first and middle(if any)) and Family Name or Surname</u>			
Daniel Nierhoff			
<u>Inventor's Signature</u>			<u>Date (Optional)</u>
			August 14, 2019
<u>Residence City</u>	<u>State</u>	<u>Country</u>	
Mülheim a. d. Ruhr		DE	
<u>Mailing Address</u>			
Am Rathaus 6			
<u>City</u>	<u>State</u>	<u>Postal (Zip) Code</u>	<u>Country</u>
Mülheim a. d. Ruhr		45468	DE

<b>LEGAL NAME OF SOLE OR FIRST INVENTOR:</b>			
<u>Given Name (first and middle(if any)) and Family Name or Surname</u>			
Arndt Marx			
<u>Inventor's Signature</u>			<u>Date (Optional)</u>
<u>Residence City</u>	<u>State</u>	<u>Country</u>	
Mettlach-Orscholz		DE	
<u>Mailing Address</u>			
Im Kahlenbruch 16 A			
<u>City</u>	<u>State</u>	<u>Postal (Zip) Code</u>	<u>Country</u>
Mettlach-Orscholz		66693	DE

<b>LEGAL NAME OF ADDITIONAL OR JOINT INVENTOR, if any:</b>			
<u>Given Name (first and middle(if any)) and Family Name or Surname</u>			
Daniel Caspary			
<u>Inventor's Signature</u>			<u>Date (Optional)</u>
<u>Residence City</u>	<u>State</u>	<u>Country</u>	
Abentheuer		DE	
<u>Mailing Address</u>			
Dellstr. 18			
<u>City</u>	<u>State</u>	<u>Postal (Zip) Code</u>	<u>Country</u>
Abentheuer		55767	DE

<b>LEGAL NAME OF ADDITIONAL OR JOINT INVENTOR, if any:</b>			
<u>Given Name (first and middle(if any)) and Family Name or Surname</u>			
Daniel Nierhoff			
<u>Inventor's Signature</u>			<u>Date (Optional)</u>
<u>Residence: City</u>	<u>State</u>	<u>Country</u>	
Mülheim a. d. Ruhr		DE	
<u>Mailing Address</u>			
Am Rathaus 6			
<u>City</u>	<u>State</u>	<u>Postal (Zip) Code</u>	<u>Country</u>
Mülheim a. d. Ruhr		45468	DE

<b>LEGAL NAME OF SOLE OR FIRST INVENTOR:</b>			
<u>Given Name (first and middle(if any)) and Family Name or Surname</u>			
Arndt Marx			
<u>Inventor's Signature</u>			<u>Date (Optional)</u>
			26.07.2019
<u>Residence: City</u>	<u>State</u>	<u>Country</u>	
Mettlach-Orscholz		DE	
<u>Mailing Address</u>			
Im Kahlenbruch 16 A			
<u>City</u>	<u>State</u>	<u>Postal (Zip) Code</u>	<u>Country</u>
Mettlach-Orscholz		66693	DE

<b>LEGAL NAME OF ADDITIONAL OR JOINT INVENTOR, if any:</b>			
<u>Given Name (first and middle(if any)) and Family Name or Surname</u>			
Daniel Caspary			
<u>Inventor's Signature</u>			<u>Date (Optional)</u>
			25.07.2019
<u>Residence: City</u>	<u>State</u>	<u>Country</u>	
Abentheuer		DE	
<u>Mailing Address</u>			
Dellstr. 18			
<u>City</u>	<u>State</u>	<u>Postal (Zip) Code</u>	<u>Country</u>
Abentheuer		55767	DE