

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3918726

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AZEDDINE CHERGUI	05/04/2016
ANDREAS NIESEN	05/24/2016
THOMAS RALLE	05/25/2016
PETER CORNELIUS	06/06/2016
<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 SYSTEM ENGINEERING GMBH
<b>Street Address:</b>	WEIPERTSTR. 37
<b>City:</b>	HEILBRONN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	74076
<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>	15080274
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)462-0999
<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>	312-525-2791
<b>Email:</b>	rob.harmer@thyssenkrupp.com

<b>Correspondent Name:</b>	THYSSENKRUPP NORTH AMERICA, INC.
<b>Address Line 1:</b>	111 W. JACKSON BLVD.
<b>Address Line 2:</b>	SUITE 2400
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60604

<b>ATTORNEY DOCKET NUMBER:</b>	140635P10US
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<b>NAME OF SUBMITTER:</b>	ROBBIE R. HARMER
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<b>SIGNATURE:</b>	/Robbie R. Harmer/
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<b>DATE SIGNED:</b>	06/15/2016
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**Total Attachments: 5**

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**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 AND DEVICE FOR THE RESISTANCE WELDING OF SANDWICH SHEETS**

as described and set forth in U.S. Patent Application No. 15/080,274 filed on March 24, 2016, 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 SYSTEM ENGINEERING GMBH, a company organized under the laws of Germany with its place of business at Weipertstr. 37, 74076 Heilbronn, 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;

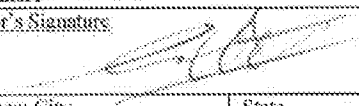
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration by ASSIGNEES to ASSIGNORS, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto ASSIGNEES, their respective successors and assigns, the entire 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.

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>NAME OF SOLE OR FIRST INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Azeddine		CHERGUI	
Inventor's Signature		Date (mm/dd/yyyy)	
		04.05.2016	
Residence: City	State	Country	
Dortmund		DE	
Mailing Address			
Alter Mühlenweg 61			
City	State	Postal (Zip) Code	Country
Dortmund		44139	DE

<b>NAME OF ADDITIONAL JOINT INVENTOR, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Andreas		NIESEN	
Inventor's Signature		Date (mm/dd/yyyy)	
Residence: City	State	Country	
Klausen		DE	
Mailing Address			
Kreuzwingerl 3			
City	State	Postal (Zip) Code	Country
Klausen		54524	DE

## JOINT ASSIGNMENT


Attorney Docket No. 140635P10US

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.

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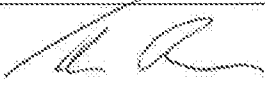
<b>NAME OF SOLE OR FIRST INVENTOR:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<u>Given Name (first and middle if any):</u> Azeddine		<u>Family Name or Surname</u> CHERGUI	
<u>Inventor's Signature</u>		<u>Date (mm/dd/yyyy)</u>	
<u>Residence: City</u> Dortmund	<u>State</u>	<u>Country</u> DE	
<u>Mailing Address</u> Alter Mühlenweg 61			
<u>City</u> Dortmund	<u>State</u>	<u>Postal (Zip) Code</u> 44139	<u>Country</u> DE

<b>NAME OF ADDITIONAL JOINT INVENTOR, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<u>Given Name (first and middle if any):</u> Andreas		<u>Family Name or Surname</u> NIESEN	
<u>Inventor's Signature</u> 		<u>Date (mm/dd/yyyy)</u> 24.05.16	
<u>Residence: City</u> Klausen	<u>State</u>	<u>Country</u> DE	
<u>Mailing Address</u> Kreuzwingert 3			
<u>City</u> Klausen	<u>State</u>	<u>Postal (Zip) Code</u> 54524	<u>Country</u> DE

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## JOINT ASSIGNMENT

Attorney Docket No. 140635P10US

NAME OF ADDITIONAL JOINT INVENTOR, if any: <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle if any)	Family Name or Surname		
Thomas	RALLE		
Inventor's Signature	Date (mm/dd/yyyy)		
	25.05.2016		
Residence: City	State	Country	
Nonnweiler		DE	
Mailing Address			
Hohlstraße 35			
City	State	Postal (Zip) Code	Country
Nonnweiler		66620	DE

NAME OF ADDITIONAL JOINT INVENTOR, if any: <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle if any)	Family Name or Surname		
Peter	CORNELIUS		
Inventor's Signature	Date (mm/dd/yyyy)		
Residence: City	State	Country	
Kasel		DE	
Mailing Address			
Neustr. 19b			
City	State	Postal (Zip) Code	Country
Kasel		54317	DE

JOINT ASSIGNMENT

Attorney Docket No. 140635P10US

<b>NAME OF ADDITIONAL JOINT INVENTOR, if any:</b> <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle if any)			
Thomas			
Family Name or Surname			
RALLE			
Inventor's Signature			
Date (mm/dd/yyyy)			
Residence City	State	Country	
Nonnweiler		DE	
Mailing Address			
Hohlstraße 35			
City	State	Postal (Zip) Code	Country
Nonnweiler		66620	DE

<b>NAME OF ADDITIONAL JOINT INVENTOR, if any:</b> <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle if any)			
Peter			
Family Name or Surname			
CORNELIUS			
Inventor's Signature			
Date (mm/dd/yyyy)			
06.06.16			
Residence City	State	Country	
Kasel		DE	
Mailing Address			
Neustr. 19b			
City	State	Postal (Zip) Code	Country
Kasel		54317	DE

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