504658683 11/28/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LEICHTBAU-ZENTRUM SACHSEN GMBH	02/10/2017

RECEIVING PARTY DATA

Name:	THYSSENKRUPP FEDERN UND STABILISATOREN GMBH
Street Address:	OEGER STR. 85
City:	HAGEN
State/Country:	GERMANY
Postal Code:	58119
Name:	THYSSENKRUPP AG
Name: Street Address:	THYSSENKRUPP AG THYSSENKRUPP ALLEE 1
Street Address:	THYSSENKRUPP ALLEE 1

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15317080

CORRESPONDENCE DATA

Fax Number: (312)431-8760

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Correspondent Name: THYSSENKRUPP NORTH AMERICA, INC. IP SERV

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ATTORNEY DOCKET NUMBER:	150639P30US	
NAME OF SUBMITTER:	WILLIAM J. CASSIN	
SIGNATURE: /William J. Cassin reg. no. 65192/		
DATE SIGNED:	11/28/2017	

PATENT 504658683 REEL: 044233 FRAME: 0111

Total Attachments: 2

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PATENT REEL: 044233 FRAME: 0112

ASSIGNMENT

WHEREAS, LEICHTBAU-ZENTRUM SACHSEN GMBH, a company organized under the laws of Germany, with its principal place of business at Marschnerstraße 39, 01307 Dresden, Germany, hereinafter referred to as "ASSIGNOR," is currently an owner by assignment of a certain invention for:

TORSION-LOADED ROD-SHAPED COMPONENT WITH DIFFERENT FIBRE REINFORCEMENTS FOR TENSILE AND COMPRESSIVE LOADING

as described and set forth in U.S. National Stage Patent Application No. 15/317,080 filed on December 7, 2016, and related PCT International Patent Application No. PCT/EP2015/058031 filed on April 14, 2015, preparatory to obtaining Letters Patent of the United States therefor; and

WHEREAS, THYSSENKRUPP FEDERN UND STABILISATOREN GMBH, a company organized under the laws of Germany, with its principal place of business at Oeger Str. 85, 58119 Hagen, Germany, 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 ASSIGNOR's 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 ASSIGNOR, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto ASSIGNEES, their 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 ASSIGNOR authorizes and requests 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, ASSIGNOR also hereby assigns to ASSIGNEES, their 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.

ASSIGNOR also assigns 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 ASSIGNOR further agrees 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.

Assignment – page 1 of 2

PATENT REEL: 044233 FRAME: 0113 ASSIGNOR will communicate to ASSIGNEES, their successors and assigns or their representatives, any facts known to us respecting said invention and improvements; and, at the expense of ASSIGNEES, ASSIGNOR 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 ASSIGNEE and to aid ASSIGNEE to obtain and enforce proper protection for said invention in all countries.

ASSIGNOR covenants that ASSIGNOR has the full right to convey the interest assigned by this Assignment, and that ASSIGNOR has not executed and will not execute any agreement in conflict with this Assignment.

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

ON BEHALF OF LEICHTBAU-ZENTRUM SACHSEN GMBH						
Given Name of Authorized Representative (first and middle[if		Family Name or Surname	Family Name or Surname of Authorized			
any])		Representative	Representative			
o Wf	@ Mortin	@MARTIN	© LEPPER			
Signature of Authorized Representative			Date (mm/dd/yyyy)			
LUL LU O	<i>y</i> 	<i>D/1/2</i>	02/10/2017			
Title of Authorized Representative						
O CEO	(2)	Managing Director				
Residence: City	<u>State</u>	Country				
Dresolen		Germany				
Mailing Address						
Marschnerstrasse 39						
City	State	Postal (Zip) Code	Country			
Desden		0/307	Sermany			

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