

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5407955

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	MERGER AND CHANGE OF NAME
<b>EFFECTIVE DATE:</b>	03/11/2016
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THYSSENKRUPP BAUTECHNIK GMBH	03/11/2016
<b>NEWLY MERGED ENTITY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THYSSENKRUPP BAUSERVICE GMBH	03/11/2016
<b>MERGED ENTITY'S NEW NAME (RECEIVING PARTY)</b>	
<b>Name:</b>	THYSSENKRUPP INFRASTRUCTURE GMBH
<b>Street Address:</b>	HOLLESTRASSE 7A
<b>City:</b>	ESSEN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	45127
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14783313
<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>	312525272
<b>Email:</b>	tkna.ip-docket@thyssenkrupp.com
<b>Correspondent Name:</b>	THYSSENKRUPP NORTH AMERICA INC. IP SERV.
<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>	130159P30US
<b>NAME OF SUBMITTER:</b>	WILLIAM J CASSIN
<b>SIGNATURE:</b>	/William J. Cassin Reg. No. 65192/
<b>DATE SIGNED:</b>	03/06/2019

**Total Attachments: 9**

source=TK Bautechnik GmbH HRB 11113 Essen chron 16\_09\_12 EN#page1.tif  
source=TK Bautechnik GmbH HRB 11113 Essen chron 16\_09\_12 EN#page2.tif  
source=TK Bautechnik GmbH HRB 11113 Essen chron 16\_09\_12 EN#page3.tif  
source=TK Bautechnik GmbH HRB 11113 Essen chron 16\_09\_12 EN#page4.tif  
source=TK Bautechnik GmbH HRB 11113 Essen chron 16\_09\_12 EN#page5.tif  
source=ES tk Bauserv. TK Infrac. Monchengl HR 8298 16\_12\_01 EN#page1.tif  
source=ES tk Bauserv. TK Infrac. Monchengl HR 8298 16\_12\_01 EN#page2.tif  
source=ES tk Bauserv. TK Infrac. Monchengl HR 8298 16\_12\_01 EN#page3.tif  
source=ES tk Bauserv. TK Infrac. Monchengl HR 8298 16\_12\_01 EN#page4.tif

No. of Entry	a) Company name b) Registered seat, branch, local business address, authorized recipient, branch offices c) Object of the company	Share capital or capital stock	a) Common policies of representation b) Board of directors, management body, managing directors, general partner, directors, authorized representatives and holders of special power of representation	Power of attorney (Prokura)	a) Legal form, founding date, bylaws or company agreement b) Other legal relationships	a) Date of Entry b) Remarks
1	2	3	4	5	6	7
1	a) MRC, Technique Service GmbH, Essen b) Essen c) The provision of technical services, especially the acquisition and the provision of application and consulting services nationwide and abroad in the field of geodynamic systems, inter alia of compacting soil layers with the help of vibrations after the Müller Resonance Compaction Method (MRC method) as well as other methods and further developments. The company is entitled, within the framework of the services to be provided, to carry out the supply of process-specific products.	DEM 50.000.000,00	a) The company has at least two managing directors. The company shall be represented by two managing directors, jointly or by one managing director, together with an authorized signatory. b) Managing director: Dr. Schaller, Manfred, Kaufmann, Essen Managing director: Drees, Godehard, Dipl.-Ingenieur, Mülheim an der Ruhr		a) Limited-liability company Company agreement on 21 NOV 1994, amended pursuant to the resolution of the shareholders' meeting on 03 JUL 1998	a) 02 JAN 2001 Ruhl b) Date of first entry: 30 NOV 1994 This page has been rewritten in order to be continued electronically and in that process, it has replaced the previous register page. Released on 02 JAN 2001.
2			b) No longer Managing director: Dr. Schaller, Manfred, Essen appointed as Managing director: Walter, Christian, Düsseldorf, DOB 25 AUG 1958	Collective powers, together with a managing director or another authorized signatory: Dipl.-Finanzwirt Glebe Jörg, Bochum, DOB 29 JAN 1969		a) 26 MAY 2003 Schroeder
3	a) ThyssenKrupp GfT Bautechnik GmbH c) The technical development, manufacture, leasing and purchase and sale of machinery, machinery parts, appliances, ramming profiles, heavy section steel products, sheet piling and mine removal profiles and other components	EUR 500.000,00			a) The shareholders' meeting on 13 MAY 2003 has resolved to change the name and object of the company. No convert the share capital to EUR, to increase it from EUR 435,41 to EUR 25,000 and in order to carry out the spinoff mentioned below to increase it by an additional EUR 474,000 to EUR 500,000 as well as to amend the company agreement in Sections No. 1 (Company name), 2 (Object of the company), 4 (Share capital), 6 (Advisory board) and to revise it altogether.	a) 12 JUN 2003 Dr. Peters

## Commercial Register B of the Essen Local Court

Retrieved on 12 SEP 2016 at 08:50 a.m.

Printout

Company number:  
Page 2 of 5

HRB 11113

No. of Entry	a) Company name b) Registered seat, branch, local business address, authorized recipient, branch offices c) Object of the company	Share capital or stock	a) Common policies of representation b) Board of directors, management body, managing directors, general partner, directors, authorized representatives and holders of special power of representation	Power of attorney (Prokura)	a) Legal form, founding date, bylaws or company agreement b) Other legal relationships	a) Date of Entry b) Remarks
1	2 of civil engineering and hydraulic engineering, b) the management, including the acquisition and disposal of shares in companies in the areas mentioned in a).	3	4	5	6	7
4					b) In accordance with the spinoff- and takeover agreement on 13 MAY 2003 as well as the approving resolutions of its shareholders' meeting on 13 MAY 2003 and the shareholders' meeting of the assigning legal entity on 13 MAY 2003, has acquired parts of the assets of ThyssenKrupp GRT Gesellschaft für Technik mbH with registered office in Essen (Essen Local Court HRB 10578) in its entirety in the course of transformation by way of spinoff. The spinoff shall only become effective upon entry in the register page of the assigning legal entity.	a) 23 JUN 2003 Schroeder
5					b) The spinoff became legally effective upon entry in the register page of the assigning legal entity, ThyssenKrupp GRT Gesellschaft für Technik mbH, on 18 JUN 2003.	a) 02 SEP 2003 Hüppe
6			b) Appointed as Managing director: Quink, Tilo, Düsseldorf, DOB 23 APR 1971		b) The company signed a profit-sharing agreement with ThyssenKrupp GRT Gesellschaft für Technik mbH, Essen (Essen Local Court HRB 10578) as entitled company on 12 AUG 2003 with the approval of the shareholders' meeting on 22 AUG 2003. Further information can be obtained from the agreement and the approving resolutions of the shareholders' meetings.	a) 13 OCT 2003 Schroeder
7				Collective powers together with a managing director or another authorized signatory: Schmitzler, Uwe, Marbach am Neckar		a) 26 JAN 2007 Schroeder

## Commercial Register B of the Essen Local Court

Retrieved on 12 SEP 2016 at 08:50 a.m.

Printout

Company number:  
Page 3 of 5

HRB 11113

No. of	a) Company name	Share	a) Common policies of representation	Power of attorney	a) Legal form, founding date,	a) Date of Entry
--------	-----------------	-------	--------------------------------------	-------------------	-------------------------------	------------------

PATENT

REEL: 048521 FRAME: 0243

Entry	a) Registered seat, branch, local business address, authorized recipient, branch offices c) Object of the company	capital or stock	b) Board of directors, management body, managing directors, general partner, directors, authorized representatives and holders of special power of representation	(Prokura)	bylaws or company agreement b) Other legal relationships	b) Remarks
1	2	3	4	5	6	7
8			b) No longer. Managing director: Quink, Tilo, Düsseldorf, DOB 23 APR 1971. Appointed as: Managing director: Oberhaus, Rolf-Ferdinand, Bochum, DOB 23 JUN 1966.	DOB 13 MAY 1967		a) 25 OCT 2007 Wyczisk
9	b) Company address: Altenhofer Straße 120, 45143 Essen			Power of attorney expired: Schnitzler, Lwys, Marbach am Neckar DOB 13 MAY 1967		a) 04 AUG 2009 Werner
10	b) After change now company address: ThyssenKrupp Allee 1, 45143 Essen					a) 25 JAN 2011 Schroeder
11			b) No longer. Managing director: Walter, Christian, Düsseldorf, DOB 25 AUG 1958			a) 18 MAY 2011 Schroeder
12			b) Appointed as Managing director: Gunther, Jens, Sende, DOB 12 JAN 1970 After preliminary date of birth officially amended, now: Managing director: Drees, Godtward, Mulheim an der Ruhr, DOB 28 DEC 1954			a) 04 OCT 2011 Luft
13			a) If only one managing director has been appointed, then he shall represent the company on his own. If several managing directors have been appointed, then the company shall be represented by two managing directors together with an authorized signatory.		a) The shareholders' meeting on 21 OCT 2011 has passed the resolution to revise the company agreement in Sections 1 (Company name, registered office) and 6 (Management and representation) and to revise it altogether.	a) 25 OCT 2011 Heneweier

# Commercial Register B of the Essen Local Court

Retrieved on 12 SEP 2016 at 08:50 a.m.

Printout

Company number:

HRB 11113

No. of Entry	a) Company name b) Registered seat, branch, local business address,	Share capital or capital	a) Common policies of representation b) Board of directors, management body, managing directors, general	Power of attorney (Prokura)	a) Legal form, founding date, bylaws or company agreement b) Other legal relationships	a) Date of Entry b) Remarks
--------------	--	--------------------------	---	-----------------------------	---	--------------------------------

	authorized recipient, branch offices c) Object of the company	stock	partner, directors, authorized representatives and holders of special power of representation			
1	2	3	4	5	6	7
14				Collective powers together with a managing director or another authorized signatory: Wieners, Andreas, Haltern am See, DOB 25 FEB 1962		a) 18 NOV 2011 Clemens
15				Collective powers together with a managing director or another authorized signatory: Eggers, Carsten, Essen, DOB 21 DEC 1966 Power of attorney expired: Dipl. Finanzwirt. Glebe, Jörg, Bochum, DOB 29 JAN 1969		a) 23 DEC 2011 Luft
16	b) After change now company address: Hollestraße 7a, 45127 Essen					a) 30 JAN 2012 Luft
17	a) ThyssenKrupp Bautechnik GmbH				a) The shareholders' meeting on 04 JUN 2012 has passed the resolution to change the company name and the company agreement accordingly in Section 1 (Company name, registered office).	a) 28 JUN 2012 Heneweer
18			b) No longer: Managing director: Oberhaus, Rolf-Ferdinand, Bochum, DOB 23 JUN 1966			a) 08 OCT 2012 Wyczisk
19					b) The profit-sharing agreement concluded with ThyssenKrupp Materials International GmbH, Essen (Essen Local Court HRB 22670) (former: ThyssenKrupp GfH Gesellschaft für Technik mbH, Essen Local Court HRB 10578) on 12 AUG 2003 was cancelled by agreement on 20 SEP 2013 as of 30 SEP 2013.	a) 01 OCT 2013 Dr. Hamme
20					b) A profit-sharing agreement was signed with ThyssenKrupp Materials	a) 25 JUL 2014 Sastry

Commercial Register B of the Essen Local Court

Printout  
Retrieved on 12 SEP 2016 at 08:50 a.m.

Company number:  
Page 5 of 5  
HRB 11113

No. of Entry	a) Company name b) Registered seat, branch, local business address.	Share capital or capital	a) Common policies of representation b) Board of directors, management body, managing directors, general partner, directors.	Power of attorney (Prokura)	a) Legal form, founding date, bylaws or company agreement b) Other legal relationships	a) Date of Entry b) Remarks
-----------------	---	--------------------------------	--	--------------------------------	--	--------------------------------

	authorized recipient, branch c) Object of the company	stock	authorized representatives and holders of special power of representation		
1	2	3	4	5	7
21			b) Appointed as Managing director: Mawwald, Ralf Ferdinand Heinsberg, DOB 15 JUL 1967		a) 23 JAN 2015 Clemens
22			b) Appointed as Managing director: Dr. Köcher, Johannes, Kunzell, DOB 11 AUG 1962		a) 11 FEB 2016 Clemens
23					a) 03 MAR 2016 Dr. Hamme
24					a) 16 MAR 2016 Dr. Hamme
25					b) The merger was recorded in the register of the acquiring thyssenkrupp Bausevice GmbH on 12 APR 2016; officially recorded pursuant to Section 19 (2) UrnWG.

## Commercial Register B of the Möchengladbach Local Court

Retrieved on 01 DEC 2016 at 12:34

Printout

Company number:  
Page 1 of 4

HRB 8298

No. of Entry	a) Company name b) Registered seat, branch, local business address, authorized recipient, branch offices c) Object of the company	Share capital or capital stock	a) Common policies of representation b) Board of directors, management body, managing directors, general partner, directors, authorized representatives and holders of special power of representation	Power of attorney (Prokura)	a) Legal form, founding date, bylaws or company agreement b) Other legal relationships	a) Date of Entry b) Remarks
1	a) Emmunds & Staudinger GmbH b) Hückelhoven c) The object of the company is the production, distribution and leasing of objects primarily used in the field of civil engineering, in particular earthworks and road construction, as well as the trade of corresponding goods. The object is furthermore consultation and provision of services in connection with the execution of civil engineering works. The company may also manage other business, provided that it serves the business purpose (directly or indirectly).	EUR 2,556,500.00	a) The company has one or several managing directors. If several managing directors are appointed, then the company shall be represented by two managing directors or by one managing director together with an authorized signatory. If several managing directors are appointed, the shareholders' meeting may grant exemption from the restrictions of Section 181 BGB (Civil Code) to individual or several all managing directors. If only one managing director has been appointed, the he has sole power of representation for the company. If only one managing director has been appointed, he may be exempt from the restrictions of Section 181 BGB. b) Managing director: May, Heilmut, Betriebswirt-Strad, Heinsberg, sole power of representation Managing director: Mayweld, Ralf-Ferdinand, Möchengladbach, DOB 15 JUL 1957	5	a) Limited-liability company Company agreement on 12 APR 1973 b) The company, as governing company, signed a domination and profit-sharing agreement on 01 SEP 2001 as of 01 OCT 2000 with Thyssen Hünnebeck GmbH in Ratingen (Ratingen Local Court HRB 17), which the shareholders' meeting of the participating companies approved on 12 SEP 2001 and 10/14 SEP 2001.	a) 28 APR 2004 Rehms b) Day of first entry 17 MAY 1973. This page has been rewritten in order to be continued electronically and in that process, whilst simultaneous change of local jurisdiction, it has replaced the previous register page HRB 75 Erkelenz Local Court. Released on 17 APR 2004, company agreement Page 239 et seq. Special Volume
2					b) The domination and profit-sharing agreement signed with ThyssenKrupp Systems & Services GmbH – former Thyssen Hünnebeck GmbH – with registered office in Ratingen (Düsseldorf Local Court HRB 42979), previously Ratingen Local Court HR B 17) on 01 SEP 2001 was cancelled through a letter on 27 SEP 2004, effective 30 SEP 2004.	a) 13 JAN 2005 Kamp b) Letter of cancellation Page 369 Special Volume
3				Collective powers together with a managing director or another authorized signatory: Dr. Ing. Bergscheller, Bernd, Düsseldorf, DOB 23 JUL 1971.		a) 26 JAN 2006 Rehms

PATENT

REEL: 048521 FRAME: 0247



## Commercial Register B of the Mönchengladbach Local Court

Retrieved on 01 DEC 2016 at 12:34

Printout

Company number:  
Page 2 of 4

HRB 8298

No. of Entry	a) Company name b) Registered seat, branch, local business address, authorized recipient, branch offices c) Object of the company	Share capital or capital stock	a) Common policies of representation b) Board of directors, management body, managing directors, general partner, directors, authorized representatives and holders of special power of representation	Power of attorney (Prokura)	a) Legal form, founding date, bylaws or company agreement b) Other legal relationships	a) Date of Entry b) Remarks
1	2	3	4	5	6	7
4			b) Appointed as Managing director: Rix, Rainer, Haan, DOB 04 NOV 1956			a) 07 FEB 2007 Rehms
5	a) ThyssenKrupp Bauservice GmbH c) The production, distribution and leasing of objects mainly used in the field of civil engineering, in particular earthworks and road construction, as well as the trade with related goods. The object of the company is also the provision and rendering of services in connection with the execution of civil engineering works.		a) The company has one or several managing directors. If only one managing director has been appointed, then he shall represent the company on his own. If several managing directors have been appointed, then the company shall be represented by two managing directors or by one managing director together with an authorized signatory.		a) The shareholders' meeting on 20 FEB 2007 adopted the resolution to change the company name, the ancillary provisions regarding the object of the company and the general powers of representation and the new version of the company agreement altogether whilst keeping the registered office of the company and the share capital.	a) 20 MAR 2007 Kamp
6	The company may conduct all transactions that directly or indirectly serve the purpose of the company. In particular, it may set up branches or companies in Switzerland and abroad and participate in similar or equivalent companies.		b) No longer Managing director: Max, Helmut, Betriebswirt grad., Wassenberg, DOB 15 MAR 1942 Appointed as Managing director: Dr. Bergschneider, Bernd, Düsseldorf, DOB 23 JUL 1971	Power of attorney expired: Dr. Bergschneider, Bernd, Düsseldorf, DOB 23 JUL 1971		a) 03 MAY 2007 Rehms
7					b) A domination and profit-sharing agreement was signed with	a) 03 MAY 2007 Rehms

PATENT

REEL: 048521 FRAME: 0248

## Commercial Register B of the Mönchengladbach Local Court

Retrieved on 01 DEC 2016 at 12:34

Printout

Company number:  
Page 3 of 4

HRB 8298

No. of Entry	a) Company name b) Registered seat, branch, local business address, authorized recipient, branch offices c) Object of the company	Share capital or capital stock	a) Common policies of representation b) Board of directors, management body, managing directors, general partner, directors, authorized representatives and holders of special power of representation	Power of attorney (Prokura)	a) Legal form, founding date, bylaws or company agreement b) Other legal relationships	a) Date of Entry b) Remarks
1	2	3	4	5	6	7
8				Collective powers together with a managing director or another authorized signatory: Kretzschmar, Thomas, Zwenkau, DOB 16 JAN 1966 Brackenhartner, Walter, Kirchen, DOB 17 APR 1968	ThyssenKrupp RST Rohstoffe und Technik GmbH Essen, Essen, Local Court HRB 10578, as governing company, on 06 JUN/20 JUN 2007. The shareholders' meeting on 27 JUN 2007 gave its approval hereto. Further information can be obtained from the agreement and the approving resolutions.	a) 02 APR 2008 Coersten
9	b) Officially amended as company address pursuant to Section 3 EGGmbHG: Ottostraße 30, 41836 Hückelhoven					a) 18 AUG 2010 Nelles
10			b) No longer Managing director: D. Bergsmüller, Bernd, Düsseldorf, DOB 23-JUL 1971 Appointed as Managing director: Dipl.-Ing. Günther, Jens, Sehnde, DOB 12 JAN 1970			a) 22 MAR 2012 Coersten
11					b) The domination and profit-sharing agreement signed with ThyssenKrupp RST Rohstoffe und Technik GmbH with registered office in Essen (Essen Local Court HRB 10578) on 06 JUN/20 JUN 2007, which in the mean time was transferred to ThyssenKrupp Materials International GmbH with registered office in Düsseldorf (Düsseldorf Local Court HRB 62027) was cancelled with agreement on 20 SEP/23 SEP 2013 as of 30 SEP 2013.	a) 02 OCT 2013 Sperrich
12					b) A domination and profit-sharing	a) 24 JUL 2014

PATENT

REEL: 048521 FRAME: 0249

No. of Entry	a) Company name b) Registered seat, branch, local business address, authorized recipient c) Object of the company	Share capital or capital stock	a) Common policies of representation b) Board of directors, management body, managing directors, general partner, directors, authorized representatives and holders of special power of representation	Power of attorney (Prokura)	a) Legal form, founding date, bylaws or company agreement b) Other legal relationships	a) Date of Entry b) Remarks
1	2	3	4	5	6	7
					agreement was signed with ThyssenKrupp Materials International GmbH, Essen (Essen Local Court HRB 22760) as governing company on 05 MAY 2014. The shareholders' meeting on 20 JUN 2014 gave its approval hereto.	Kamp
13	a) thyssenkrupp Infrastructure GmbH  b) Change of Company address: Hollstraße 7a, 45127 Essen  c) The technical development, manufacture, trading and rental of machinery, machine parts, appliances, ramming profiles, heavy sectioned steel products, sheet piling and pit removal profiles and other components, primarily in the field of civil engineering, especially earthworks, road and civil engineering. The object of the company is also the provision of consultancy and the rendering of services in connection with the execution of civil engineering works.				a) The shareholders' meeting on 11 MAR 2016 adopted the resolution to change the company name and object of the company as well as to amend the company agreement in Section 1 (1) (Company name), in Section 2 (1) (Object of the company), in Section 3 (Share capital), in Section 5 (Announcements), in Section 6 (Management and representation) and in Section 7 (Annual Financial Statement, Profit Appropriation).  b) The company, as acquiring legal entity pursuant to the merger agreement dated 11 MAR 2016 as well as the approving resolutions of its shareholders' meeting and the one of the assigning legal entity on the same date, has merged with ThyssenKrupp Bautechnik GmbH with registered office in Essen (Essen Local Court HRB 11113).	a) 12 APR 2016 Flören
14	b) Essen				a) The registered office was relocated to Essen (now: Essen Local Court, HRB 27263).	a) 13 MAY 2016 Bock

PATENT