

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI468793

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
thyssenkrupp Industrial Solutions AG	11/06/2023
RECEIVING PARTY DATA	
Company Name:	thyssenkrupp Uhde GmbH
Street Address:	Friedrich-Uhde-Strasse 15
City:	Dortmund
State/Country:	GERMANY
Postal Code:	44141
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	10676450
CORRESPONDENCE DATA	
Fax Number:	2405971153
<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>	
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Correspondent Name:	Michael Sanzo
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Address Line 2:	Building 100, Suite 100
Address Line 4:	Jacksonville, FLORIDA 32256
ATTORNEY DOCKET NUMBER:	7601/24066
NAME OF SUBMITTER:	Michael Sanzo
SIGNATURE:	Michael Sanzo
DATE SIGNED:	09/03/2024
Total Attachments: 4	
source=USA_Intercorporate_Assignment-signed#page1.tiff	
source=USA_Intercorporate_Assignment-signed#page2.tiff	
source=USA_Intercorporate_Assignment-signed#page3.tiff	
source=USA_Intercorporate_Assignment-signed#page4.tiff	

INTERCORPORATE ASSIGNMENT

This PATENT ASSIGNMENT AGREEMENT (hereinafter "AGREEMENT"), is entered into by and between: thyssenkrupp Industrial Solutions AG, ThyssenKrupp Allee 1, Essen, Germany 45143 (**ASSIGNOR**), and thyssenkrupp Uhde GmbH, Friedrich-Uhde-Strasse 15, Dortmund, Germany 44141 (**ASSIGNEE**).

RECITALS

WHEREAS **ASSIGNOR** is the owner of intellectual property rights in each of the PATENTS and APPLICATIONS listed on attached EXHIBIT 1 and wishes to transfer these rights to ASSIGNEE;

WHEREAS **ASSIGNEE** wishes to receive the rights of **ASSIGNOR** to the PATENTS and APPLICATIONS listed on attached EXHIBIT 1;

the **ASSIGNOR** and **ASSIGNEE** hereby agree as follows:

A. Assignment

In consideration of the payment of the sum of One Dollar (\$1.00) by **ASSIGNEE** to **ASSIGNOR** and for other good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, **ASSIGNOR** hereby sells, assigns and transfers to **ASSIGNEE**, its successors, assigns, and legal representatives, and **ASSIGNEE** hereby accepts, the full and exclusive right, title and interest in and to the PATENTS and APPLICATIONS listed on attached Exhibit 1, the inventions disclosed therein and any improvements thereon, including the right to claim priority to and from each of these PATENTS and APPLICATIONS.

In further consideration of the payment of the sum of One Dollar (\$1.00) by **ASSIGNEE** to **ASSIGNOR** and for other good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, **ASSIGNOR** hereby sells, assigns and transfers to **ASSIGNEE**, its successors, assigns, and legal representatives, and **ASSIGNEE** hereby accepts, the full and exclusive right, title and interest in and to all corresponding and/or counterpart US patent applications or patents of the PATENTS and APPLICATIONS listed on Exhibit 1, including all divisionals, continuations, continuations-in-part, reissues, reexaminations, extensions, substitutions, and any additional patent applications which claim priority from or to the APPLICATIONS or PATENTS, including the right to claim priority to and from each corresponding and/or counterpart US patent application or patent.

In further consideration of the payment of the sum of One Dollar (\$1.00) by **ASSIGNEE** to **ASSIGNOR** and for other good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, **ASSIGNOR** hereby sells, assigns and transfers to **ASSIGNEE**, its successors, assigns, and legal representatives, and **ASSIGNEE** hereby accepts, the full and exclusive right, title and interest in and to all corresponding and/or counterpart foreign patent applications or patents of the **PATENTS** and **APPLICATIONS** listed on Exhibit 1, and all letters patent or comparable rights issuing thereon, together with the right to claim priority to or from each corresponding and/or counterpart foreign patent application, or patent.

ASSIGNOR hereby authorizes and requests the US Patent and Trademark Office, and any official or governmental office in any foreign country whose duty it is to issue patents on applications as described above, to issue all letters patent or comparable rights issuing on any application as previously mentioned to **ASSIGNEE**, or to its successors, assigns or legal representatives.

B. Registration and Recordation

ASSIGNOR hereby authorizes and requests, as applicable, the German Patent and Trademark Office, the European Patent Office, the United States Patent and Trademark Office and the empowered agencies of all other governments, and the diverse registrars, commissioners and other official authorities in the various affected jurisdictions to record **ASSIGNEE** as the owner of the **PATENTS** and/or **APPLICATIONS** on Exhibit 1, and to issue to **ASSIGNEE**, in lieu of **ASSIGNOR**, all future certificates, notices and any other communications and documents bearing on the **PATENTS** or **APPLICATIONS** listed on Exhibit 1. It is the responsibility of the **ASSIGNEE** to apply for a change of recordal in the registers. **ASSIGNOR** shall not unreasonably withhold, or delay, the signing of any document necessary to effect a change of recordal in ownership of the **PATENTS** and **APPLICATIONS** in the intellectual property registers.

C. Further Assurances

ASSIGNOR and **ASSIGNEE** shall execute and deliver such instruments and take such other actions as may reasonably be required in order to carry out the intent of this **AGREEMENT** and to evidence and effectuate the transactions contemplated herein. **ASSIGNOR** shall prepare and provide to **ASSIGNEE** all assignments and other instruments of transfer reasonably required to transfer to **ASSIGNEE** the **PATENTS** and **APPLICATIONS** on Exhibit 1. **ASSIGNOR** shall take such steps and actions, and provide such cooperation and assistance to **ASSIGNEE** and its successors, assigns, and legal representatives, including the execution and delivery of any affidavits, declarations, oaths,

exhibits, assignments, powers of attorney, or other documents, as may be reasonably necessary to effect, evidence, or perfect the assignment of the PATENTS and APPLICATIONS to **ASSIGNEE** or any assigns or successors thereto. If **ASSIGNEE** or its successor or assigns is unable, for any reason, to obtain a signature of **ASSIGNOR** on a document necessary to perfect the transfer or assignment of the PATENTS and APPLICATIONS on EXHIBIT 1, **ASSIGNOR** hereby irrevocably appoints **ASSIGNEE** as its agent and, attorney-in fact, which appointment is coupled with an interest to act for and on behalf of **ASSIGNOR** to execute, verify, and file any such documents with the same legal force and effect as if executed by **ASSIGNOR**.

D. General Provisions

This AGREEMENT and attached Exhibit 1 constitute the sole and entire agreement of the parties with respect to the subject matter contained herein and supersede all other prior representations, warranties, understandings and agreements, both written and oral, with respect to such subject matter. This AGREEMENT shall not be amended, modified or supplemented except by an instrument in writing specifically designated as an amendment hereto and executed by each of the parties. Neither any course of conduct or failure or delay of any party in exercising or enforcing any right, remedy or power hereunder shall operate or be construed as a waiver thereof, nor shall any single or partial exercise of any right, remedy or power hereunder, or any abandonment or discontinuance of steps to enforce such right, remedy or power or any course of conduct, preclude any other or further exercise thereof or the exercise of any, other right, remedy or power. This AGREEMENT shall be binding upon and inure solely to the benefit of each party and its successors and permitted assigns.

ASSIGNOR

thyssenkrupp Industrial Solutions AG



By: ppa. Heike Schuch / ppa. Babette Nobel

Title: Head of Legal & Compliance / Head of HRD
& HR Business Partner Germany

Date of Execution: November 6th, 2023

ASSIGNEE

thyssenkrupp Uhde GmbH


By: ppa. Dr. Ralph Kleinschmidt/ ppa. Dirk Lichte

Title: Head of Technology, Innovation &
Sustainability / Senior Counsel

Date of Execution: November 6th, 2023

EXHIBIT 1

Internal File No.	Co-Applicant Ref. No.	Effective Filing Date	Appl. No.	Grant No.	Grant Date
2017P00004WOUS	160018P30US	16/05/2018	16/615,720	10,870,631	22/12/2020
2014P00175WOUS	160155P30US	11/05/2017	16/302,099	10,597,374	24/03/2020
2014P00383WOUS	150796P30US	10/03/2017	16/086,309	10,399,952	03/09/2019
2014P00210WOUS	150076P30US	01/11/2016	15/778,318	10,214,504	26/02/2019
2014P00345WOUS	150389P30US	01/11/2016	15/778,337	10,428,035	01/10/2019
2015P00243WOUS	151068P30US	06/01/2017	16/070,873	10,676,450	09/06/2020
2014P00294WOUS	150792P30US	25/11/2016	15/778,425	10,428,036	01/10/2019
2014P00209WOUS	150793P30US	19/04/2016	15/570,167	10,125,108	13/11/2018
2014P00126WOUS	160002P30US	08/01/2016	15/542,923	10,053,440	21/08/2018
2014P00125WOUS	160001P30US	08/01/2016	15/542,917	10,053,438	21/08/2018
2014P00130WOUS	140778P30US	23/07/2015	15/329,626	10,100,024	16/10/2018