

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6129300

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Execution Date
UNITED STATES STEEL CORPORATION	05/29/2020
U. S. STEEL TUBULAR PRODUCTS, INC.	05/29/2020

**RECEIVING PARTY DATA**

<b>Name:</b>	U.S. BANK NATIONAL ASSOCIATION, AS COLLATERAL AGENT
<b>Street Address:</b>	225 W. STATION SQUARE DRIVE
<b>City:</b>	PITTSBURGH
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15219

**PROPERTY NUMBERS Total: 35**

Property Type	Number
Patent Number:	6817633
Patent Number:	7169239
Patent Number:	7404438
Patent Number:	7621323
Patent Number:	7621164
Patent Number:	7596848
Patent Number:	8882157
Patent Number:	10054425
Patent Number:	10234276
Patent Number:	10385419
Patent Number:	10436357
Patent Number:	D599119
Patent Number:	D650995
Patent Number:	D650996
Patent Number:	D651412
Patent Number:	D651810
Patent Number:	D651811
Patent Number:	D657574
Patent Number:	7604844

PATENT

Property Type	Number
Patent Number:	8919670
Patent Number:	8755923
Patent Number:	8267436
Patent Number:	8136846
Patent Number:	7690697
Patent Number:	7588269
Patent Number:	7152700
Patent Number:	7134514
Application Number:	16459757
Application Number:	16119742
Application Number:	16544127
Application Number:	15896759
Application Number:	16843409
Application Number:	62844301
Application Number:	62883704
Application Number:	62979901

#### CORRESPONDENCE DATA

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*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.*

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ATTORNEY DOCKET NUMBER: 509335/2921

NAME OF SUBMITTER: J. JASON MULL

SIGNATURE: /J. Jason Mull/

DATE SIGNED: 05/29/2020

#### Total Attachments: 7

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## PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT (as supplemented or otherwise modified from time to time, the “Patent Security Agreement”) dated May 29, 2020, is made by UNITED STATES STEEL CORPORATION, a Delaware corporation (the “Company”), the Subsidiaries of the Company from time to time a party hereto (each a “Subsidiary Grantor” and collectively, the “Subsidiary Grantors”, and together with the Company, the “Grantors”, and each, a “Grantor”) in favor of U.S. Bank National Association, as Collateral Agent (in such capacity the “Collateral Agent”) for the Notes Secured Parties.

### W I T N E S S E T H:

WHEREAS, the Grantors have entered into that certain Indenture, dated as of May 29, 2020 (as supplemented or otherwise modified from time to time, the “Indenture”), by and among the Grantors and the Collateral Agent, as trustee (in such capacity the “Trustee”);

WHEREAS, in connection with the Indenture, each Grantor has executed and delivered that certain Collateral Agreement, dated as of the date hereof, made by the Grantors to the Collateral Agent (as supplemented or otherwise modified from time to time, the “Collateral Agreement”);

WHEREAS, under the terms of the Collateral Agreement, the Grantors have granted to the Collateral Agent, for the ratable benefit of the Notes Secured Parties, a security interest in, among other property, certain Patents of the Grantors, and have agreed as a condition thereof to execute this Patent Security Agreement for recording with the United States Patent and Trademark Office.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

SECTION 1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Patent Security Agreement, including in its preamble and recitals, have the meanings provided or provided by reference in the Collateral Agreement.

SECTION 2. Grant of Security. Each Grantor hereby assigns and transfers to the Collateral Agent, and hereby grants to the Collateral Agent, for the ratable benefit of the Notes Secured Parties, a security interest in all of such Grantor's right, title and interest in, to and under the Patents (including, without limitation, those items listed on Schedule A hereto, collectively the "Collateral").

SECTION 3. Security for Obligations. The grant of a security interest in the Collateral by each Grantor under this Patent Security Agreement secures the payment of all Notes Obligations of such Grantor now or hereafter existing under or in respect of the Indenture and the Notes (including any increases of the principal amount outstanding thereunder).

SECTION 4. Recordation. Each Grantor authorizes and requests the Commissioner for Patents and any other applicable government officer record this Patent Security Agreement.

SECTION 5. Grants, Rights and Remedies. This Patent Security Agreement has been entered into in conjunction with the provisions of the Collateral Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Collateral Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

SECTION 6. Counterparts. This Patent Security Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together constitute one and the same original. The words "execution," "signed," "signature," "delivery," and words of like import in or relating to this Patent Security Agreement or any document to be signed in connection with this Patent Security Agreement shall be deemed to include electronic signatures, deliveries or the keeping of records in electronic form, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature, physical delivery thereof or the use of a paper-based recordkeeping system, as the case may be, and the parties hereto consent to conduct the transactions contemplated hereunder by electronic means.

SECTION 7. Governing Law. This Patent Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

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IN WITNESS WHEREOF, the parties hereto have duly executed this Patent Security Agreement as of the date first set forth above.

**UNITED STATES STEEL CORPORATION**

As Grantor

By: \_\_\_\_\_

Name: Arne Jahn

Title: Vice President - Treasurer and Chief  
Risk Officer

**U. S. STEEL TUBULAR PRODUCTS, INC.**  
As Grantor

By: \_\_\_\_\_

Name: Arne Jahn\_\_\_\_\_

Title: Treasurer\_\_\_\_\_

U.S. BANK NATIONAL ASSOCIATION  
As Collateral Agent

By: Robert P. Pavlovic

Name: Robert P. Pavlovic

Title: Vice President

*[Signature Page to Patent Security Agreement]*

## SCHEDULE A

### PATENTS AND PATENT APPLICATIONS

<u>Country</u>	<u>Title</u>	<u>Appl. No.</u>	<u>Patent No.</u>	<u>Owner</u>
United States	Tubular Members and Threaded Connections for Casing Drilling and Method	10/325,050	6,817,633	U. S. Steel Tubular Products, Inc.
United States	Solid Expandable Tubular Members Formed From Very Low Carbon Steel and Method	10/440,065	7,169,239	U. S. Steel Tubular Products, Inc.
United States	Solid Expandable Tubular Members Formed From Very Low Carbon Steel and Method	11/567,501	7,404,438	U. S. Steel Tubular Products, Inc.
United States	Solid Expandable Tubular Members Formed From Very Low Carbon Steel and Method	12/178,485	7,621,323	U. S. Steel Tubular Products, Inc.
United States	Push Bench and Method of Manufacturing Small Diameter Tubing	11/871,653	7,621,164	U. S. Steel Tubular Products, Inc.
United States	Method For Producing Bimetallic Line Pipe	11/072,352	7,596,848	U. S. Steel Tubular Products, Inc.
United States	Connecting Oil Country Tubular Goods	13/242,922	8,882,157	U. S. Steel Tubular Products, Inc.
United States	Methods And Systems For Measurement And Inspection Of Tubular Goods	15/648,225	10,054,425	U. S. Steel Tubular Products, Inc.
United States	Methods And Systems For Measurement And Inspection Of Tubular Goods	16/015,891	10, 234,276	U. S. Steel Tubular Products, Inc.
United States	(2014-04) High Strength Steel Products and Annealing Processes for Making The Same	15/591,344	10,385,419	United States Steel Corporation
United States	Annealing Process For Making High Strength Steel Products	16/459,757	Pending	United States Steel Corporation
United States	High Strength Annealed Steel Products	16/119,742	Pending	United States Steel Corporation
United States	High Strength Annealed Steel Products And Annealing Processes For Making the Same	16/544,127	Pending	United States Steel Corporation
United States	Connecting Oil Country Tubular Goods	15/472,333	10,436,357	United States Steel Corporation
United States	Sheet Material	29/254,552	D599,119	United States Steel Corporation
United States	Sheet Material With Surface Pattern	29/354,360	D650,995	United States Steel Corporation
United States	Sheet Material With Surface Pattern	29/354,362	D650,996	United States Steel Corporation
United States	Sheet Material With Surface Pattern	29/354,364	D651,412	United States Steel Corporation
United States	Sheet Material With Surface Pattern	29/354,367	D651,810	United States Steel Corporation
United States	Sheet Material With Surface Pattern	29/354,374	D651,811	United States Steel

[Schedule A to Patent Security Agreement]

**PATENT**  
**REEL: 052790 FRAME: 0371**



<u>Country</u>	<u>Title</u>	<u>Appl. No.</u>	<u>Patent No.</u>	<u>Owner</u>
States				Corporation
United States	Sheet Material With Surface Pattern	29/354,371	D657,574	United States Steel Corporation
United States	Compressive Forming Process for Enhancing Collapse Resistance in Metallic Tubular Products	15/896,759	Pending	United States Steel Corporation
United States	Method, System and Apparatus For Scraping A Roll Surface In a Molten Metal Coating Process	11/972,059	7,604,844	United States Steel Corporation
United States	Injection Lance With Variable Swirl	13/315,633	8,919,670	United States Steel Corporation
United States	Cold Rolled Motor Lamination Electrical Steel Sheet Products With Low Core Loss and High Permeability	16/843,409	Pending	United States Steel Corporation
United States	High Strength Steel Products and Annealing Processes for Making Same	62/844,301	Pending	United States Steel Corporation
United States	High Ductility Zinc Coated 1180 Steel Sheet Products	62/883,704	Pending	United States Steel Corporation
United States	Steel Ladle Refractory Retaining Apparatus	62/979,901	Pending	United States Steel Corporation
United States	Optimization System	12/962,629	8,755,923	United States Steel Corporation /// Engineering Technology Associates, Inc.
United States	Arrow-Shaped Thread Form For Tubular Connections	12/827,403	8,267,436	U. S. Steel Tubular Products, Inc.
United States	Cylindrical Tapered Thread Form For Tubular Connections	12/272,227	8,136,846	U. S. Steel Tubular Products, Inc.
United States	Thread Form For Tubular Connections (Zebra Ii)	11/746,438	7,690,697	U. S. Steel Tubular Products, Inc.
United States	Z-Shaped Thread Form For Tubular Connections (Zebra I)	11/527,352	7,588,269	U. S. Steel Tubular Products, Inc.
United States	Dual Wall Drill String Assembly	10/972,885	7,152,700	U. S. Steel Tubular Products, Inc. ///American Augers, Inc.
United States	Dual Wall Drill String Assembly	10/712,324	7,134,514	U. S. Steel Tubular Products, Inc. ///American Augers, Inc.
United States	Methods and Systems for Measurement and Inspection of Tubular Goods	15/648,225	10,054,425	U. S. Steel Tubular Products, Inc.
United States	Methods and Systems for Measurement and Inspection of Tubular Goods	16/015,891	10,234,276	U. S. Steel Tubular Products, Inc.

[Schedule A to Patent Security Agreement]