

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

Assignment ID: PATI148108

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|------------------------------|------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | RELEASE OF SECURITY INTEREST |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------------|----------------|
| U.S. BANK NATIONAL ASSOCIATION | 04/03/2024 |

RECEIVING PARTY DATA

| | |
|------------------------|--|
| Company Name: | CLEVELAND-CLIFFS INC. |
| Street Address: | 325 John H. McConnell Boulevard, Suite 600 |
| City: | Columbus |
| State/Country: | OHIO |
| Postal Code: | 43215-2673 |
| Company Name: | CLEVELAND-CLIFFS STEEL CORPORATION (f/k/a AK STEEL CORPORATION) |
| Street Address: | 325 John H. McConnell Boulevard, Suite 600 |
| City: | Columbus |
| State/Country: | OHIO |
| Postal Code: | 43215-2673 |
| Company Name: | CLEVELAND-CLIFFS STEEL PROPERTIES INC. (f/k/a AK STEEL PROPERTIES, INC.) |
| Street Address: | 325 John H. McConnell Boulevard, Suite 600 |
| City: | Columbus |
| State/Country: | OHIO |
| Postal Code: | 43215-2673 |

PROPERTY NUMBERS Total: 62

| Property Type | Number |
|---------------------|----------|
| Application Number: | 09847236 |
| Application Number: | 09938205 |
| Application Number: | 10118765 |
| Application Number: | 10119112 |
| Application Number: | 10119444 |
| Application Number: | 10242885 |
| Application Number: | 10243020 |
| Application Number: | 10374595 |
| Application Number: | 10683717 |

PATENT

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11313367 |
| Application Number: | 11494369 |
| Application Number: | 12616847 |
| Application Number: | 12830618 |
| Application Number: | 12881766 |
| Application Number: | 13479382 |
| Application Number: | 13627022 |
| Application Number: | 13855439 |
| Application Number: | 14010646 |
| Application Number: | 14279768 |
| Application Number: | 14279818 |
| Application Number: | 14280045 |
| Application Number: | 14468963 |
| Application Number: | 14995409 |
| Application Number: | 15160573 |
| Application Number: | 15160714 |
| Application Number: | 15211467 |
| Application Number: | 15407922 |
| Application Number: | 15583450 |
| Application Number: | 15672387 |
| Application Number: | 15723812 |
| Application Number: | 15788387 |
| Application Number: | 15801415 |
| Application Number: | 15819564 |
| Application Number: | 15850033 |
| Application Number: | 15903288 |
| Application Number: | 15908152 |
| Application Number: | 15924720 |
| Application Number: | 15935800 |
| Application Number: | 15974801 |
| Application Number: | 16051929 |
| Application Number: | 16051993 |
| Application Number: | 16179387 |
| Application Number: | 16179425 |
| Application Number: | 16256208 |
| Application Number: | 16263044 |
| Application Number: | 16296882 |
| Application Number: | 16367779 |

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16371901 |
| Application Number: | 16546539 |
| Application Number: | 16775613 |
| Application Number: | 29654633 |
| Application Number: | 62882866 |
| Application Number: | 62808399 |
| Application Number: | 62808899 |
| Application Number: | 62834598 |
| Application Number: | 62829891 |
| Application Number: | 62829741 |
| Application Number: | 62847496 |
| Application Number: | 62847511 |
| Application Number: | 62899288 |
| Application Number: | 62930239 |
| Application Number: | 62933642 |

CORRESPONDENCE DATA

Fax Number: 6507393900

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.

Phone: 6507393939

Email: DebbieWu@JonesDay.com

Correspondent Name: JONES DAY

Address Line 1: 250 Vesey Street

Address Line 4: New York, NEW YORK 10281-1047

| | |
|--------------------------------|---------------|
| ATTORNEY DOCKET NUMBER: | 218095-041024 |
| NAME OF SUBMITTER: | Debbie Wu |
| SIGNATURE: | Debbie Wu |
| DATE SIGNED: | 04/05/2024 |

Total Attachments: 11

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RELEASE OF SECURITY INTEREST IN PATENTS

This RELEASE OF SECURITY INTEREST IN PATENTS (this “Release”), dated as of April 3, 2024, is made by U.S. BANK NATIONAL ASSOCIATION, a national banking association, in its capacity as notes collateral agent for the Notes Secured Parties (in such capacity, “Assignor”), in favor of CLEVELAND-CLIFFS INC., an Ohio corporation (“Cliffs”), CLEVELAND-CLIFFS STEEL CORPORATION (f/k/a AK STEEL CORPORATION), a Delaware corporation (“Cliffs Steel”), CLEVELAND-CLIFFS STEEL PROPERTIES INC. (f/k/a AK STEEL PROPERTIES, INC.), a Delaware corporation (“Cliffs Properties”), and IRONUNITS LLC, a Delaware limited liability company (“IronUnits”, and, together with Cliffs, Cliffs Steel and Cliffs Properties, each an “Assignee” and collectively, the “Assignees”). Capitalized terms used in this Release and not otherwise defined herein shall have the meanings set forth in the Patent Security Agreement (as defined below).

WHEREAS, Assignees and Assignor, among other parties, entered into that certain Security Agreement, dated as of March 13, 2020 (including all annexes, exhibits or schedules thereto, as from time to time amended, restated, amended and restated, supplemented or otherwise modified, the “Security Agreement”);

WHEREAS, pursuant to the Security Agreement, Assignees executed and delivered to Assignor that certain Patent Security Agreement, dated as of March 13, 2020 (the “Patent Security Agreement”);

WHEREAS, the Patent Security Agreement was recorded on March 13, 2020 with the U.S. Patent and Trademark Office, at Reel 052162 / Frame 0865;

WHEREAS, pursuant to the Security Agreement and the Patent Security Agreement, each Assignee pledged, assigned and granted to Assignor, for the benefit of the Notes Secured Parties, to secure the Secured Obligations, a continuing security interest (the “Security Interest”) in all of its right, title and interest in and to the following property, whether then owned by or owing to, or thereafter acquired by or arising in favor of such Assignee: (a) all of its Patents and Patent Intellectual Property Licenses to which it is a party including those referred to on Schedule I hereto, (b) all divisionals, continuations, continuations-in-part, reissues, reexaminations, or extensions of the foregoing, and (c) all products and proceeds of the foregoing, including any claim by such Assignee against third parties for past, present or future infringement of any Patent or any Patent exclusively licensed under any Intellectual Property License, including the right to receive damages, or right to receive license fees, royalties, and other compensation under any Patent Intellectual Property License (collectively, the “Patent Collateral”); and

WHEREAS, Assignor desires to release its Security Interest in the Patent Collateral.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby, without any representation, warranty or recourse, releases and discharges all right, title and interest under the Security Agreement and Patent Security Agreement (including, without limitation, the Security Interest)

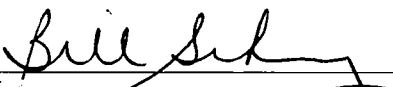
in the Patent Collateral, including, without limitation, the Patents set forth on Schedule 1 hereto. Any right, title or interest of Assignor under the Security Agreement and Patent Security Agreement in the Patent Collateral shall hereby cease and become void. Assignor authorizes the recordation of this Release with the U.S. Patent and Trademark Office and hereby agrees to duly execute, acknowledge and deliver any further documents, and to do such other acts, as may be reasonably necessary to effect the release of the security interest contemplated hereby at the sole cost and expense and the reasonable request of the Assignees. This Release shall be construed in accordance with and governed by the laws of the State of New York.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Assignor has caused this Release to be duly executed by a duly authorized officer as of the date above first written.

ASSIGNOR:

U.S. BANK NATIONAL ASSOCIATION, a
national banking association, as Assignor

By: 
Name: **William E. Sickling**
Title: **Vice President & Trust Officer**

SCHEDULE I
TO
RELEASE OF SECURITY INTERESTS IN PATENTS

PATENTS

| Title | Application. No | Filed | Patent No. | Grant Date | Current Owner |
|---|----------------------------|--------------|-----------------------|-------------------|---------------------------------|
| Compression Test Systems And Methods | 12881766 | 09/14/2010 | 8590392 | 11/26/2013 | Cleveland- Cliffs Inc. |
| Hydrogen Peroxide Pickling Scheme for Silicon-Containing Electrical Steel Grades | 10/119444 | 04/09/2002 | 6599371 | 07/29/2003 | AK Steel Corporation |
| Hydrogen Peroxide Pickling Scheme for Stainless Steel Grades | 10/118765 | 04/09/2002 | 6645306 | 11/11/2003 | AK Steel Corporation |
| Method for Removing Hydrogen Peroxide From Spent Pickle Liquor | 10/119112 | 04/09/2002 | 6746614 | 06/08/2004 | AK Steel Corporation |
| Apparatus for Removing Hydrogen Peroxide From Spent Pickle Liquor | 10/683717 | 10/10/2003 | 6802965 | 10/12/2004 | AK Steel Properties, Inc. |
| Antimicrobial Coated Metal Sheet | 09/938205 | 08/23/2001 | 6929705 | 08/16/2005 | AK Steel Properties, Inc. |
| Method of continuous casting non-oriented electrical steel strip | 11/313367 | 12/21/2005 | 7140417 | 11/28/2006 | AK Steel Properties, Inc. |
| Method for production of non-oriented electrical steel strip | 11/494369 | 07/27/2006 | 7377986 | 05/27/2008 | AK Steel Properties, Inc. |
| High permeability grain oriented electrical steel | 09/847236 | 05/02/2001 | 7887645 | 02/15/2011 | AK Steel Properties, Inc. |
| Ferric pickling of silicon steel | 12/616847 | 11/12/2009 | 8128754 | 03/06/2012 | AK Steel Properties, Inc. |
| Meniscus coating apparatus and method | 13/479382 | 05/24/2012 | 9212414 | 12/15/2015 | AK Steel Properties, Inc. |

| Title | Application. No | Filed | Patent No. | Grant Date | Current Owner |
|--|----------------------------|--------------|-----------------------|-------------------|---------------------------|
| Stainless steel pickling in an oxidizing, electrolytic acid bath | 13/627022 | 09/26/2012 | 9580831 | 02/28/2017 | AK Steel Properties, Inc. |
| Cost-effective ferritic stainless steel | 13/855439 | 04/02/2013 | 9816163 | 11/14/2017 | AK Steel Properties, Inc. |
| Polymer coated metallic substrate and method for making | 12/830618 | 07/06/2010 | 9850395 | 12/26/2017 | AK Steel Properties, Inc. |
| Grain oriented electrical steel with improved forsterite coating characteristics | 14/468963 | 08/26/2014 | 9881720 | 01/30/2018 | AK Steel Properties, Inc. |
| METHOD OF CONTINUOUSLY CASTING ELECTRICAL STEEL STRIP WITH CONTROLLED SPRAY COOLING | 10/243020 | 09/13/2002 | 6739384 | 05/25/2004 | AK Steel Properties, Inc. |
| Ferritic Stainless Steel with Excellent Oxidation Resistance, Good High Temperature Strength, and Good Formability | 14/010646 | 08/27/2013 | Pending | N/A | AK Steel Properties, Inc. |
| High Strength Steel Exhibiting Good Ductility and Method of Production via In-Line Heat Treatment Downstream of Molten Zinc Bath | 14/279768 | 05/16/2014 | Pending | N/A | AK Steel Properties, Inc. |
| High Strength Steel Exhibiting Good Ductility and Method of Production via Quenching and Partitioning Treatment by Zinc Bath | 14/280045 | 05/16/2014 | Pending | N/A | AK Steel Properties, Inc. |
| ZINC-COATED STEEL FOR PRESS HARDENING APPLICATIONS AND METHOD OF PRODUCTION | 14/279818 | 05/16/2014 | Pending | N/A | AK Steel Properties, Inc. |

| Title | Application. No | Filed | Patent No. | Grant Date | Current Owner |
|--|----------------------------|--------------|-----------------------|-------------------|---------------------------|
| Dual Phase Steel with Improved Properties | 14/995409 | 01/14/2016 | Pending | N/A | AK Steel Properties, Inc. |
| LOW ALLOY THIRD GENERATION ADVANCED HIGH STRENGTH STEEL | 15/160714 | 05/20/2016 | Pending | N/A | AK Steel Properties, Inc. |
| HIGH MANGANESE 3RD GENERATION ADVANCED HIGH STRENGTH STEELS | 15/160573 | 05/20/2016 | Pending | N/A | AK Steel Properties, Inc. |
| HIGH FORMABILITY DUAL PHASE STEEL | 15/211467 | 07/15/2016 | Pending | N/A | AK Steel Properties, Inc. |
| WARM ROLLING OF STEELS CONTAINING METASTABLE AUSTENITE | 15/407922 | 01/17/2017 | Pending | N/A | AK Steel Properties, Inc. |
| METHOD FOR EXTENDING THE CAMPAIGN LIFE OF STABILIZERS FOR A COATING LINE | 15/583450 | 05/01/2017 | Pending | N/A | AK Steel Properties, Inc. |
| TUNDISH FUNNEL | 15/672387 | 08/09/2017 | Pending | N/A | AK Steel Properties, Inc. |
| HIGH ELONGATION PRESS HARDENED STEEL AND MANUFACTURE OF THE SAME | 15/723812 | 10/03/2017 | Pending | N/A | AK Steel Properties, Inc. |
| WELD WHEEL CLEANING SYSTEM | 15/801415 | 11/02/2017 | Pending | N/A | AK Steel Properties, Inc. |
| SURFACE MODIFICATION OF STAINLESS STEELS | 15/788387 | 10/19/2017 | Pending | N/A | AK Steel Properties, Inc. |
| CONTINUOUS CASTING NOZZLE DEFLECTOR | 15/819564 | 11/21/2017 | Pending | N/A | AK Steel Properties, Inc. |

| Title | Application. No | Filed | Patent No. | Grant Date | Current Owner |
|--|----------------------------|--------------|-----------------------|-------------------|---------------------------|
| POLYMER COATED METALLIC SUBSTRATE AND METHOD FOR MAKING | 15/924720 | 03/19/2018 | Pending | N/A | AK Steel Properties, Inc. |
| HOT-ROLLED STEEL WITH VERY HIGH STRENGTH AND METHOD FOR PRODUCTION | 15/908152 | 02/28/2018 | Pending | N/A | AK Steel Properties, Inc. |
| PRESS HARDENED STEEL WITH EXTREMELY HIGH STRENGTH AND METHOD FOR PRODUCTION | 15/903288 | 02/23/2018 | Pending | N/A | AK Steel Properties, Inc. |
| SLAB REHEAT FURNACE SKID BUTTON AND METHOD TO REDUCE GOUGE OF STAINLESS STEEL SLABS | 15/974801 | 05/09/2018 | Pending | N/A | AK Steel Properties, Inc. |
| MANUFACTURING ULTRA-HIGH STRENGTH LOAD BEARING PARTS USING HIGH STRENGTH/LOW INITIAL YIELD STEELS THROUGH TUBULAR HYDROFORMING PROCESS | 16/051993 | 08/01/2018 | Pending | N/A | AK Steel Properties, Inc. |
| METHOD FOR FACILITATING THERMOMECHANICAL FORMING PROCESS OF AUSTENITE CONTAINING GRADES TO PRODUCE TAILORED STRENGTH STRUCTURAL COMPONENTS | 16/051929 | 08/01/2018 | Pending | N/A | AK Steel Properties, Inc. |

| Title | Application. No | Filed | Patent No. | Grant Date | Current Owner |
|---|----------------------------|--------------|-----------------------|-------------------|---------------------------------|
| PRESS HARDENED STEEL WITH TAILORED PROPERTIES | 16/179387 | 11/02/2018 | Pending | N/A | AK Steel Properties, Inc. |
| PRESS HARDENED STEEL WITH TAILORED PROPERTIES AFTER NOVEL THERMAL TREATMENT | 16/179425 | 11/02/2018 | Pending | N/A | AK Steel Properties, Inc. |
| METHOD AND APPARATUS FOR EXTENDING THE CAMPAIGN LIFE OF STABILIZERS FOR A COATING LINE | 16/263044 | 01/31/2019 | Pending | N/A | AK Steel Properties, Inc. |
| SUBMERGED ENTRY NOZZLE FOR CONTINUOUS CASTING | 16/256208 | 01/24/2019 | Pending | N/A | AK Steel Properties, Inc. |
| REDUCTION AT ELEVATED TEMPERATURE OF COATED STEELS CONTAINING METASTABLE AUSTENITE | 16/296882 | 03/08/2019 | Pending | N/A | AK Steel Properties, Inc. |
| POLYMER LAMINATE ON ZINC-PHOSPHATE COATED GALVANIZED STEEL | 16/367779 | 03/28/2019 | Pending | N/A | AK Steel Properties, Inc. |
| LOW ALLOY THIRD GENERATION ADVANCED HIGH STRENGTH STEEL AND PROCESS FOR MAKING | 16/371901 | 04/01/2019 | Pending | N/A | AK Steel Properties, Inc. |
| GRAIN ORIENTED ELECTRICAL STEEL WITH IMPROVED FORSTERITE COATING CHARACTERISTICS | 15/850033 | 12/21/2017 | Pending | N/A | AK Steel Properties, Inc. |

| Title | Application. No | Filed | Patent No. | Grant Date | Current Owner |
|---|----------------------------|--------------|-----------------------|-------------------|---------------------------------|
| ROLL FOR USE IN A HOT DIP COATING LINE | 16/546539 | 08/21/2019 | Pending | N/A | AK Steel Properties, Inc. |
| METHOD OF PRODUCING (110)[001] GRAIN ORIENTED ELECTRICAL STEEL USING STRIP CASTING | 10/242885 | 09/13/2002 | 6749693 | 06/15/2004 | AK Steel Properties, Inc. |
| METHOD OF CONTINUOUS CASTING NON- ORIENTED ELECTRICAL STEEL STRIP | 10/374595 | 02/25/2003 | 7011139 | 03/14/2006 | AK Steel Properties, Inc. |
| TUNDISH FUNNEL | 62/933642 | 11/11/2019 | Pending | N/A | AK Steel Properties, Inc. |
| HOT ROLLED STEEL WITH VERY HIGH STRENGTH AND METHOD OF PRODUCTION | 16/775613 | 01/29/2019 | Pending | N/A | AK Steel Properties, Inc. |
| SLAB REHEAT FURNACE SKID BUTTON AND METHOD TO REDUCE GOUGE OF STAINLESS STEEL SLABS | 62/882866 | 08/05/2019 | Pending | N/A | AK Steel Properties, Inc. |
| A METHOD FOR FACILITATING THERMOMECHANICAL FORMING PROCESS OF AUSTENITE CONTAINING GRADES TO PRODUCE TAILORED STRENGTH STRUCTURAL COMPONENTS | 62/808399 | 02/21/2019 | Pending | N/A | AK Steel Properties, Inc. |

| Title | Application. No | Filed | Patent No. | Grant Date | Current Owner |
|--|----------------------------|--------------|-----------------------|-------------------|---------------------------------|
| PRESS HARDENED STEEL WITH TAILORED PROPERTIES | 62/808899 | 02/22/2019 | Pending | N/A | AK Steel Properties, Inc. |
| PRESS HARDENED STEEL WITH TAILORED PROPERTIES AFTER NOVEL THERMAL TREATMENT | 15/935800 | 03/26/2018 | Pending | N/A | AK Steel Properties, Inc. |
| SUBMERGED ENTRY NOZZLE FOR CONTINUOUS CASTING | 29/654633 | 06/26/2018 | Pending | N/A | AK Steel Properties, Inc. |
| METHOD OF COLORIZING STAINLESS STEEL USING STRIP ANNEAL PROCESSING | 62/834598 | 04/16/2019 | Pending | N/A | AK Steel Properties, Inc. |
| A SELF-CONTAINED WELD RESTRAINT METHOD TO PREVENT WELD ZONE FAILURE IN THE TUBE HYDROFORMING PROCESS | 62/829891 | 04/05/2019 | Pending | N/A | AK Steel Properties, Inc. |
| A ROLL FOR USE IN A HOT DIP COATING LINE | 62/829741 | 04/05/2019 | Pending | N/A | AK Steel Properties, Inc. |
| SLAB REHEAT FURNACE SKID BUTTON AND METHOD TO REDUCE GOUGE OF STAINLESS STEEL SLABS | 62/847496 | 05/14/2019 | Pending | N/A | AK Steel Properties, Inc. |
| CURVED SURFACE MENISCUS COATING SYSTEM | 62/847511 | 05/14/2019 | Pending | N/A | AK Steel Properties, Inc. |

| Title | Application. No | Filed | Patent No. | Grant Date | Current Owner |
|--|----------------------------|--------------|-----------------------|-------------------|---------------------------------|
| COLD ROLLED ENAMELING SHEET STEEL WITH ENHANCED FORMABILITY | 62/899288 | 09/12/2019 | Pending | N/A | AK Steel Properties, Inc. |
| HIGH ELONGATION PRESS HARDENED STEEL AND MANUFACTURE OF THE SAME | 62/930239 | 11/04/2019 | Pending | N/A | AK Steel Properties, Inc. |

PATENT LICENSES

1. Process License Agreement, dated August 11, 2017, between IronUnits LLC and Kobe Steel, Ltd.
2. Patents License Agreement, dated as of October 23, 2019, by and among AK Steel Corporation (“AKSC”), as licensee, and Arcelormittal, as licensor.
3. Patent License Agreement, dated as of December 4, 2009, between AKSC, as licensor, and JFE Steel Corporation (“JFE”), as licensee (as supplemented by the Addendum #1 to 780 Patent License Agreement, dated as of May, 2015).
4. Patent License Agreement, dated as of February 15, 2008, between AKSC, as licensor, and JFE, as licensee (as supplemented by the Addendum #1 to 980 Patent License Agreement, dated as of May, 2015).
5. Patent License Agreement, dated as of May 29, 2015, between AKSC, as licensor, and JFE, as licensee.
6. Patent License Agreement, dated as of December 17, 2013, between AKSC, as licensor, and JFE, as licensee (as supplemented by the Addendum #1 to 440BH Patent License Agreement, dated as of May, 2015).