

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2908672

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| RALPH MUTSCHLER | 06/17/2014 |
| GRANT THOMAS | 06/13/2014 |
| PAUL V. JANA VICIUS | 06/13/2014 |
| LUIS G. GARZA-MARTINEZ | 06/13/2014 |
| RECEIVING PARTY DATA | |
| Name: | AK STEEL PROPERTIES, INC. |
| Street Address: | 9227 CENTRE POINTE DRIVE |
| City: | WEST CHESTER |
| State/Country: | OHIO |
| Postal Code: | 45069 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14279818 |
| CORRESPONDENCE DATA | |
| Fax Number: | (513)651-6981 |
| <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> | |
| Phone: | 513-651-6128 |
| Email: | aschoen@fbtlaw.com |
| Correspondent Name: | ANN G. SCHOEN |
| Address Line 1: | 3300 GREAT AMERICAN TOWER |
| Address Line 2: | 301 EAST FOURTH STREET |
| Address Line 4: | CINCINNATI, OHIO 45202 |
| ATTORNEY DOCKET NUMBER: | 1606001/0374644 |
| NAME OF SUBMITTER: | ANN G. SCHOEN |
| SIGNATURE: | /Ann G. Schoen/ |
| DATE SIGNED: | 06/23/2014 |
| Total Attachments: 6 | |
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ASSIGNMENT

The undersigned (hereinafter "Assignor") of the residence(s) indicated below are the inventor(s) of certain invention(s) and embodiment(s) thereof (hereinafter collectively the "Invention") described in a United States Patent Application Serial Number 14/279,818, filed on May 16, 2014 titled ZINC-COATED STEEL FOR PRESS HARDENING APPLICATIONS AND METHOD OF PRODUCTION (hereinafter the "Application").

AK Steel Properties, Inc., a corporation having a principal place of business at 9227 Centre Pointe Drive, West Chester, OH 45069, and its successors, assigns, and legal representatives (hereinafter collectively "Assignee") desires to secure the entire right, title and interest in and to the Invention.

For good and valuable consideration, the receipt and adequacy of which is acknowledged, Assignor hereby:

1. Sells, assigns and transfers to Assignee the entire right, title and interest in and to the Invention, the Application, any other applications to which the Application claims priority benefit, including but not limited to related provisional applications, any other patent applications based in whole or in part upon the Invention or Application in any country (including Patent Cooperation Treaty, divisional, renewal, substitute, continuation, and continuation-in-part applications), all patents and other forms of intellectual property protection which may be granted thereon (including all reissues, reexaminations, and extensions thereof), and all priority rights appertaining thereto;

2. Sells, assigns and transfers to Assignee the entire right to claim the benefit of priority to the Application and to the following applications to which the Application claims priority benefit:

| Serial No. | Filing Date | Title |
|------------|--------------|---|
| 61/824,791 | May 17, 2013 | Zinc-Coated Steel For Press Hardening Applications And Method Of Production |

3. Authorizes Assignee to file applications for patents and other forms of intellectual property protection on the Invention in any country in the name of Assignee, or otherwise as Assignee may deem advisable;

4. Authorizes and requests the Director of the United States Patent & Trademark Office, and such patent office officials in foreign countries as are duly authorized by their laws to issue patents, to issue any patents on the Invention to Assignee as the owner of the entire right, title, and interest therein or otherwise as Assignee may direct;

5. Agrees, without expense to Assignor but without further consideration, to carry out in good faith the intent and purpose of this Assignment by executing all divisional, renewal, substitute, continuation, continuation-in-part, reissue, and all other patent applications based on the Invention; executing all rightful oaths, assignments, powers of attorney and other papers;

communicating to Assignee all facts known to Assignor relating to the Invention and the history thereof; and generally, doing everything reasonably possible which Assignee shall consider desirable for aiding in securing, maintaining, and enforcing proper protection for the Invention and for vesting title in Assignee to the Invention and all patent applications and patents based on the Invention;

6. Represents and warrants that Assignor has the full right to convey to Assignee the entire interest to the Invention, and that Assignor has not executed, and will not execute, any agreement in conflict herewith; and

7. Authorizes Frost Brown Todd, LLC to insert in this Assignment the serial number and filing date of the Application or any other information which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

Sole or first inventor:

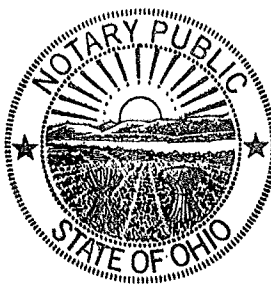
Signature: Ralph Mutschler Date: 6/17/14
Full Name: Ralph Mutschler
Residence: 7782 Lakota Hills Drive
West Chester, OH 45069

STATE OF OHIO)
COUNTY OF BUTLER) SS:

On this 17th day of June, 2014, personally appeared before me Ralph Mutschler, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to on this Assignment, and acknowledged that he executed the same.

Notary Public: Marsha L. O'Dell

My Commission Expires: Dec. 2, 2016



MARSHA L. O'DELL, Notary Public
In and for the State of Ohio
My Commission Expires Dec. 2, 2016

Second inventor:

Signature: *Grant Thomas*
Full Name: Grant Thomas
Residence: 5708 Rachel's View
Liberty Township, OH 45011

Date: 13 June 2014

STATE OF OHIO)
COUNTY OF BUTLER) SS:

On this 13th day of June, 2014, personally appeared before me Grant Thomas, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to on this Assignment, and acknowledged that he executed the same.

Notary Public: Marsha L. O'Dell

My Commission Expires: Dec. 2, 2016



MARSHA L. O'DELL, Notary Public
In and for the State of Ohio
My Commission Expires Dec. 2, 2016

Third inventor:

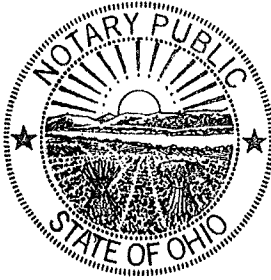
Signature: *Paul V. Janavicius* Date: 6/13/14
Full Name: Paul V. Janavicius
Residence: 540 Cody Pass
Wyoming, OH 45215

STATE OF OHIO)
COUNTY OF BUTLER) SS:

On this 13th day of June, 2014, personally appeared before me Paul V. Janavicius who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to on this Assignment, and acknowledged that he executed the same.

Notary Public: *Marsha L. O'Dell*

My Commission Expires: Dec. 2, 2016



MARSHA L. O'DELL, Notary Public
In and for the State of Ohio
My Commission Expires Dec. 2, 2016

Fourth inventor:

Signature: _____

Full Name: Luis G. Garza-Martinez

Residence: 46 Fleming Road
Wyoming, OH 45215

Date: _____

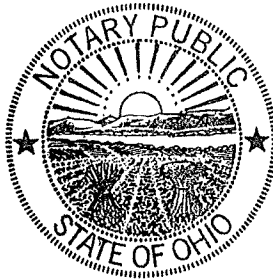
6/13/2014

STATE OF OHIO)
COUNTY OF BUTLER) SS:

On this 13th day of June, 2014, personally appeared before me Luis G. Garza-Martinez, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to on this Assignment, and acknowledged that he executed the same.

Notary Public: Marsha L. O'Dell

My Commission Expires: Dec. 2, 2016



MARSHA L. O'DELL, Notary Public
In and for the State of Ohio
My Commission Expires Dec. 2, 2016

Assignee:

AK STEEL PROPERTIES, INC.
9227 Centre Pointe Drive
West Chester, OH 45069

By: [Signature] Date: 6/18/14
Full Name: David C. Horn
Title: President

STATE OF OHIO)
COUNTY OF BUTLER) SS:

On this 18th day of June, 2014, personally appeared before me David C. Horn, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to on this Assignment, and acknowledged that he executed the same.

Notary Public: [Signature]
My Commission Expires: 6/20/14

1606001.0374644 4816-3968-6939v1



BETTY J. LONGWORTH
Notary Public State of Ohio
My Commission Expires June 20, 2014