

FORM PTO-1595
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OMB No. 0651-0011(exp. 4/94)

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To the Honorable Commissioner of Patents and Trademark: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>M.S.S.I., Inc.</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>MSSI Refractory, LLC</u></p> <p>Street Address: <u>2 John Street</u></p> <p>City: <u>McKees Rocks</u> State: <u>Pennsylvania</u> Zip: <u>15136-3266</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>October 7, 2009</u></p>	

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s) 6,579,491

Additional numbers attached? ☐ Yes ☒ No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>John R. Hlavka</u></p> <p>Internal Address: <u>Tarolli, Sundheim, Covell,</u> <u>& Tummino L.L.P.</u></p> <p>Street Address: <u>1300 East Ninth Street</u> <u>Suite 1700</u></p> <p>City: <u>Cleveland</u> State: <u>Ohio</u> ZIP: <u>44114</u></p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41).....<u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p><input checked="" type="checkbox"/> PTO-2038 authorizing credit card payment</p> <p>8. Deposit Account number:</p> <p><u>20-0090</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John R. Hlavka

Name of Person Signing

Reg. No.: 29,076

[Signature]
Signature

November 3, 2009
Date

Total Number of pages including cover sheet, attachments, and document

2

Mail documents to be recorded with required cover sheet information to:
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P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

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ASSIGNMENT

Whereas, M.S.S.I., Inc., a Pennsylvania Corporation having a place of business at 2 John Street, McKees Rocks, Pennsylvania, 15136-3266 U.S.A., hereinafter referred to as "Assignor", is the owner of the entire right, title and interest in United States Patent No. 6,579,491; and

Whereas, MSSI Refractory, LLC, an Ohio Limited Liability Company having a place of business at 2 John Street, McKees Rocks, Pennsylvania, 15136-3266 U.S., hereinafter referred to as "Assignee", desires to acquire the entire right, title and interest of the Assignor in the said U.S. patent.

Now, therefore, for valuable consideration, receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to the above-named Assignee, its successors and assigns, the entire right, title and interest in the said U.S. patent, and any reissues or re-examinations thereof, together with all claims for damages by reason of past infringement of the said U.S. patent with the right to Assignee to sue for and collect the same for their own use and employment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

M.S.S.I., Inc.

Date: 10/7/09By: Gary D. FrwinTitle: Pres.

STATE OF)
) ss
COUNTY OF)

This 7 day of October, 2009, before me personally appeared GARY FRWIN to me known to be the PRESIDENT of M.S.S.I., Inc., who duly executed this instrument for the purposes set forth herein, and who acknowledged to me that he/she executed this assignment on behalf of said corporation pursuant to its bylaws or a resolution of its Board of Directors.

NOTARY PUBLIC, STATE OF OHIO
Recorded in Portage County
My Comm. Expires Nov. 14, 2011

Patricia Burke

Notary Public