

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ronald Barrett</td> <td>12/13/2011</td> </tr> <tr> <td>Donald Abrino</td> <td>12/13/2011</td> </tr> </tbody> </table>		Name	Execution Date	Ronald Barrett	12/13/2011	Donald Abrino	12/13/2011						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>NORTH AMERICAN REFRACTORIES CO.</td> </tr> <tr> <td>Street Address:</td> <td>400 FAIRWAY DRIVE</td> </tr> <tr> <td>Internal Address:</td> <td>CHERRINGTON CORPORATE CENTER</td> </tr> <tr> <td>City:</td> <td>MOON TOWNSHIP</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>15108</td> </tr> </table>		Name:	NORTH AMERICAN REFRACTORIES CO.	Street Address:	400 FAIRWAY DRIVE	Internal Address:	CHERRINGTON CORPORATE CENTER	City:	MOON TOWNSHIP	State/Country:	PENNSYLVANIA	Postal Code:	15108
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (440)684-1095</p> <p>Phone: 4406841090</p> <p>Email: mkusner@kusnerjaffe.com, cgoellner@kusnerjaffe.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: KUSNER & JAFFE</p> <p>Address Line 1: 6150 Parkland Boulevard, Suite 105</p> <p>Address Line 2: Paragon Center II</p> <p>Address Line 4: Mayfield Heights, OHIO 44124</p>													
ATTORNEY DOCKET NUMBER:	NR9521US.2												
NAME OF SUBMITTER:	Mark Kusner												
<p>Total Attachments: 2</p> <p>source=NR9521US2-ASSIGN#page1.tif</p> <p>source=NR9521US2-ASSIGN#page2.tif</p>													

OP \$40.00 29410165

For:

U.S. Rights and Foreign Rights

For: U.S. Application

By: Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

Ronald Barrett
111 Cornetti Road
Fenelton, Pennsylvania 16034

Nationality: US

Donald Abrino
Road H1
Curwensville, Pennsylvania 16833

Nationality: US

hereby sells, assigns and transfers to:

ASSIGNEE:

North American Refractories Co.
Cherrington Corporate Center
400 Fairway Drive
Moon Township, PA 15108

An Ohio Corporation

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

HIGH-YIELD LADLE BOTTOM

and which is found in (37 C.F.R. §3.21) U.S. patent application executed on even date herewith or [] in Application No. _____, filed on _____ and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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

ASSIGNORS further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue

and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set hand and seal.

Date: 12-13-2011


Signature of Ronald Barrett

Date: 12/13/2011


Signature of Donald Abrino