502812214 05/16/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2858808

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RONALD L. BARRETT	05/12/2014

RECEIVING PARTY DATA

Name:	NORTH AMERICAN REFRACTORIES COMPANY	
Street Address:	400 FAIRWAY DRIVE	
Internal Address:	CHERRINGTON CORPORATE CENTER	
City:	MOON TOWNSHIP	
State/Country:	PENNSYLVANIA	
Postal Code:	15108	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14273962

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

US Mail.

Phone: 4406841090

Email: mkusner@kusnerjaffe.com

Correspondent Name: KUSNER & JAFFE PARAGON CENTER II

Address Line 1: 6150 PARKLAND BOULEVARD

Address Line 2: SUITE 105

Address Line 4: MAYFIELD HEIGHTS, OHIO 44124

ATTORNEY DOCKET NUMBER:	NR10778US
NAME OF SUBMITTER:	MARK KUSNER
SIGNATURE:	/mark kusner/
DATE SIGNED:	05/16/2014

Total Attachments: 2

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PATENT 502812214 REEL: 032912 FRAME: 0486

For: U.S. Rights
For: U.S. Application

By: Inventor

ASSIGNMENT OF INVENTION

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

ASSIGNOR:

Ronald L. BARRETT

111 Cornetti Road

Fenelton, Pennsylvania 16034 Citizenship: United States

hereby sells, assigns and transfers to:

ASSIGNEE:

North American Refractories Company

Cherrington Corporate Center

400 Fairway Drive

Moon Township, Pennsylvania 15108

Corporation of Ohio

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:

REFRACTORY COMPONENT FOR LINING A METALLURGICAL VESSEL

and which is found in (37 C.F.R. §3.21) U.S. patent application executed on even date herewith or [X] in Application No.14/273,962, filed on May 9, 2014 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.

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.

(Assignment of Invention—page 1 of 2)

ASSIGNOR 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 ASSIGNOR 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.

I have hereunto set hand on the date set forth below.

Date: 5-12-2014

Signature of Ronald L. Barrett

(Assignment of Invention—page 2 of 2)

PATENT REEL: 032912 FRAME: 0488

RECORDED: 05/16/2014