

12-06-1999

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



101214376

ached original documents or copy thereof.

Tab settings

To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Hall, Richard G.

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: November 9, 1999

2. Name and address of receiving party(ies):

Name: North American Refractories Co.

Internal Address:

Street Address: 500 Halle Building

1228 Euclid Avenue

City: Cleveland State: OH ZIP: 44115-1809

Additional name(s) & address(es) attached?

☐ Yes ☒ No

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: November 9, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/441175

Additional numbers attached?

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark Kusner

Internal Address: Mark Kusner Co., LPA

Street Address: Highland Place, Suite 310

6151 Wilson Mills Road

City: Highland Heights State: OH ZIP: 44143

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0537

(Attach duplicate copy of this page if paying by deposit account)

12/01/1999 DTHOMAS 00000022 09441175

DO NOT USE THIS SPACE

9. Statement and signature.

40.00 GP

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

Mark Kusner, Reg. No. 31,115

Name of Person Signing

Signature

15 NOV 1999

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

(Form PTO-1595-Recordation Form Cover Sheet - page 1 of 3)

PATENT
REEL: 010412 FRAME: 0277

For: U.S. Rights and Foreign Rights
For: U.S. Application
By: Inventor

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: Richard G. Hall
11082 Vaughn Road
Hiram, OH 44234
Nationality: US

hereby sells, assigns and transfers to

ASSIGNEE: North American Refractories Co.
500 Halle Building
1228 Euclid Avenue
Cleveland, OH 44115-1809
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 and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

TAPHOLE KNOCKOUT DEVICE

and which is found in (37 C.F.R. § 3.21) U.S. patent application executed on even date herewith and any legal equivalent thereof in a foreign country, including the right to claim priority 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.

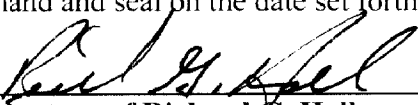
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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.

(Assignment of Invention—page 1 of 2)

IN WITNESS WHEREOF, I have hereunto set hand and seal on the date set forth below.

Date: 11-9-89


Signature of Richard G. Hall

(Assignment of Invention—page 2 of 2)