

03-14-2003

Form PTO-1594
(Rev. 10/02)
OMB No. 0651-0027 (exp. 6/30/2005)

REI



U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Tab settings

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

1. Name of conveying party(ies): 3-12-03
NARCO Investors, Inc.

Individual(s) Association
 General Partnership Limited Partnership
 Corporation-State
 Other _____

An Ohio Corporation
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: North American Refractories Co.
 Internal
 Address: Cherrington Corporate Center

Street Address: 400 Fairway Drive
 City: Moon Township State: PA Zip: 15108

Individual(s) citizenship _____
 Association _____
 General Partnership _____
 Limited Partnership _____
 Corporation-State An Ohio Corporation
 Other _____

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No
 (Designations must be a separate document from assignment)
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: January 17, 1986

4. Application number(s) or registration number(s):

A. Trademark Application No.(s)

B. Trademark Registration No.(s)

869596

Additional number(s) 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 registrations involved: 6

7. Total fee (37 CFR 3.41).....\$ 165.00

Enclosed See Form PTO-2038
 Authorized to be charged to deposit account

8. Deposit account number:
50-0537 - for additional charges only

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

DO NOT USE THIS SPACE

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.

Mark Kusner, Reg. No. 31,115
 Name of Person Signing

Mark Kusner
 Signature

March 7, 2003
 Date

03/13/2003 LHWELLER 00000103 869596

Total number of pages including cover sheet, attachments, and document: 7

01 FC:8321
02 FC:8322

40.00
125.00

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

TRADEMARK
REEL: 002691 FRAME: 0171

Attachment for Recordation Form Cover Sheet Trademarks Only (Form PTO-1594)

Continuation of Item 4. Additional Application Number(s) or Registration Number(s)

A. Trademark Application No.(s):

B. Trademark Registration No.(s): 857775, 857774, 869597, 1314620, and 857773

Written Action of Shareholders Without a Meeting

Pursuant to Section 1701.54 of the Ohio Revised Code, the undersigned, being all of the shareholders of NARCO Investors, Inc., an Ohio corporation ("Corporation"), do hereby adopt, by this written action in lieu of a meeting, the following resolutions with the same force and effect as if they had been unanimously adopted at a duly convened meeting of the shareholders of the Corporation:

RESOLVED, that the Regulations of the Corporation, be and hereby are amended by adding the following paragraph as the third paragraph in Section 1 of Article 2 of the Regulations:

"The number of Directors fixed as hereinabove in this Section provided may also be increased or decreased by the Directors at a meeting or by action without a meeting, and the number of Directors as so changed shall be the number of Directors until further changed in accordance with this Section; provided, that no such decrease in the number of Directors shall result in the removal of any incumbent Director or in the reduction of the term of any incumbent Director. Any decrease in the number of Directors to less than the number of Directors then in office shall become effective as the resignation, removal from office, death or expiration of the term of any incumbent Director occurs. In the event that the Directors increase the number of Directors, the Directors who are in office may fill any vacancy created thereby."

RESOLVED, that Article I of the Corporation's Amended Articles of Incorporation be and hereby is amended to change the Corporation's name, which amendment shall be accomplished by deleting present Article I in its entirety and substituting in lieu thereof a new Article I reading as follows:

"I. The name of the Corporation shall be North American Refractories Company."

1986.

EXECUTED as of 4:00 P.M. this 17th day of January,

KIRTLAND CAPITAL CORPORATION

By: John F. Turben
John F. Turben, President

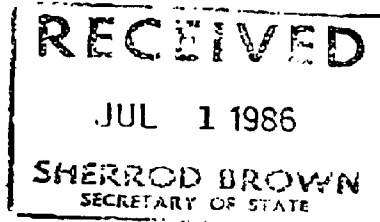
Edmund S. Wright
Edmund S. Wright

CERTIFICATE OF AMENDMENT
of
AMENDED ARTICLES OF INCORPORATION
of
NARCO INVESTORS, INC.

Adopted by the Shareholders of the Company
on January 17, 1986
and filed with the Secretary of State of Ohio
on July 1, 1986

Edmund S. Wright, President and Michael J. Horvitz,
Secretary, of NARCO Investors, Inc., an Ohio corporation
(the "Corporation"), with its principal place of business
located in Cleveland, Cuyahoga County, Ohio, do hereby certify
that the Shareholders of the Corporation executed a unanimous
written action in lieu of a meeting on January 17, 1986,
which adopted the following resolution to amend the Corporation's
Amended Articles of Incorporation:

RESOLVED, that Article I of the Corporation's Amended
Articles of Incorporation be and hereby is amended to change
the Corporation's name, which amendment shall be accomplished
by deleting present Article I in its entirety and substituting
in lieu thereof a new Article I reading as follows:



I. The name of the Corporation shall be North American Refractories Company.

IN WITNESS WHEREOF, Edmund S. Wright, President, and Michael J. Horvitz, Secretary, of NARCO Investors, Inc., acting for and on its behalf, do hereunto subscribe their names this 1st. day of July, 1986.


Edmund S. Wright, President


Michael J. Horvitz, Secretary

Addendum

Mark	Class(es)	Appln No.	Filing Date	Reg. No.	Reg. Date
GM	19	72/295434	11-Apr-68	869596	20-May-69
GREENSTRIPE	19	72/295438	11-Apr-68	857775	01-Oct-68
LINCOLN	19	72/295436	11-Apr-68	857774	01-Oct-68
LITECRETE	19	72/295437	11-Apr-68	869597	20-May-69
NARGON	19	73/376125	22-Jul-82	1314620	15-Jan-85
SHASTA-KAST	19	72/295435	11-Apr-68	857773	01-Oct-68