



09-13-1999

U.S. Department of Commerce  
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### RECORDATION FORM COVER SHEET TRADEMARKS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

#### Submission Type

New

Resubmission (Non-Recordation)  
Document ID #

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

#### Conveyance Type

Assignment  License

Security Agreement  Nunc Pro Tunc Assignment

Merger  Change of Name

Other

Effective Date  
Month Day Year  
 Dec. 18 1992

#### Conveying Party

Mark if additional names of conveying parties attached

Name  Vesuvius Crucible Company

Execution Date  
Month Day Year  
 Dec. 18 92

Formerly

Individual  General Partnership  Limited Partnership  Corporation  Association

Other

Citizenship/State of Incorporation/Organization  Pennsylvania, Corporation

#### Receiving Party

Mark if additional names of receiving parties attached

Name  Vesuvius Crucible Company

DBA/AKA/TA

Composed of

Address (line 1)  103 Foulk Road, Suite 200

Address (line 2)

Address (line 3)  Wilmington  Delaware  19803

City State/Country Zip Code

Individual  General Partnership  Limited Partnership  Association

Corporation  Association

Other

Citizenship/State of Incorporation/Organization  Delaware, Corporation

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

#### FOR OFFICE USE ONLY

09/10/1999 DNGUYEN 00000277 220281 0552669

01 FC:481 40.00 CH

02 FC:482 200.00 CH

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REEL: 001956 FRAME: 0640

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Correspondent Name and Address**

Area Code and Telephone Number

412-788-4441-ext 254

Name

James R. Williams

Address (line 1)

46040 Campbells Run Road

Address (line 2)

Pittsburgh, Pennsylvania 15205

Address (line 3)

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

#

5

**Trademark Application Number(s) or Registration Number(s)**

Mark if additional numbers attached

Enter either the Trademark Application Number or the Registration Number (DO NOT ENTER BOTH numbers for the same property).

Trademark Application Number(s)

Registration Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

0552669	1842382	0968150
1851095	1834638	0929159
1849290	1820626	0683991

**Number of Properties**

Enter the total number of properties involved.

#

9

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$

240.00

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

22-0281

Authorization to charge additional fees:

Yes

No

**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. Charges to deposit account are authorized, as indicated herein.

Donald M. Satina

Name of Person Signing

*Donald M. Satina*

Signature

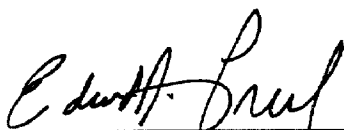
Sept. 1, 1999

Date Signed

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"VESUVIUS CRUCIBLE COMPANY", A PENNSYLVANIA CORPORATION, WITH AND INTO "VESUVIUS CRUCIBLE COMPANY" UNDER THE NAME OF "VESUVIUS CRUCIBLE COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-EIGHTH DAY OF DECEMBER, A.D. 1992, AT 9 O'CLOCK A.M.



  
\_\_\_\_\_  
Edward J. Freel, Secretary of State

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AUTHENTICATION: 9939084

DATE: 08-25-99

TRADEMARK  
REEL: 001956 FRAME: 0642

CERTIFICATE OF OWNERSHIP AND MERGER

MERGING

VESUVIUS CRUCIBLE COMPANY  
(a Pennsylvania corporation)

INTO

VESUVIUS CRUCIBLE COMPANY  
(a Delaware corporation)

Vesuvius Crucible Company, a corporation organized and existing under the laws of the State of Delaware, ("Vesuvius Delaware") DOES HEREBY CERTIFY:

FIRST: That Vesuvius Delaware was incorporated on August 26, 1986 pursuant to the General Corporation Law of the State of Delaware.

SECOND: That Vesuvius Delaware owns all of the outstanding shares of the stock of Vesuvius Crucible Company, a corporation incorporated pursuant to the Business Corporation Law of the Commonwealth of Pennsylvania ("Vesuvius Pennsylvania").

THIRD: That Vesuvius Delaware, by the following resolutions of its Board of Directors, duly adopted by the unanimous written consent of its members, dated December 18, 1992 and filed with the minutes of the Board, determined to and did merge into itself said Vesuvius Pennsylvania:

RESOLVED, that Vesuvius Delaware merge, and it hereby does merge into itself said Vesuvius Pennsylvania, and assumes all of its obligations; and

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FURTHER RESOLVED, that the merger shall be effective at 12:01 E.S.T. on January 1, 1993; and

FURTHER RESOLVED, that the proper officers of Vesuvius Delaware be, and they hereby are, directed to make and execute a Certificate of Ownership and Merger setting forth a copy of the resolutions to merge said Vesuvius Pennsylvania and assume its liabilities and obligations, and the date of adoption thereof, and to cause the same to be filed with the Secretary of State of the State of Delaware and a certified copy recorded in the office of the Recorder of Deeds of New Castle County and to do all acts and things whatsoever, whether within or without the State of Delaware, which may be in anywise necessary or proper to effect said merger.

FOURTH: Anything herein or elsewhere to the contrary notwithstanding, this merger may be amended or terminated and abandoned by the Board of Directors of Vesuvius Delaware at any time prior to the date of filing the merger with the Secretary of State.

IN WITNESS WHEREOF, said Vesuvius Delaware has caused this Certificate to be signed by Del E. Goedecker, its Vice President, and attested by Robert E. Delaney, its Assistant Secretary, this 18th day of December, 1992.

VESUVIUS CRUCIBLE COMPANY

ATTEST:

By:

Robert E. Delaney  
Robert E. Delaney

By:

Del E. Goedecker  
Del E. Goedecker

Title: Assistant Secretary

Title: Vice President

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