

05-07-2001

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☐ Mark if additional names of conveying parties attached

Execution Date
Month Day Year
4/6/2001

Name (line 1) Vesuvius UK Limited

Name (line 2)

Second Party

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Vesuvius Crucible Company

Name (line 2)

Address (line 1) 103 Foulk Road, Suite 202

Address (line 2)

Address (line 3) Delaware 19803
City State/Country Zip Code

☐ 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 is attached. (Designation must be a separate document from Assignment.)

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Name

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Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
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PCT

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Number of Properties

Enter the total number of properties involved.

#

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:
Deposit Account

Enclosed ☐

Deposit Account ☒

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

Deposit Account Number:

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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.

James R. Williams

Name of Person Signing

Signature

April 17, 2001

Date

PATENT APPLICATION ASSIGNMENT
FROM COMPANY TO COMPANY

Vesuvius UK Limited ("Vesuvius UK"), an England corporation, having a place of business at Sheepbridge Works, Sheepbridge Lane, Chesterfield, Derbyshire S41 9BS, England, is the owner from the inventors of the entire worldwide, right, title and interest to an invention entitled:

CASTABLE REFRACTORY COMPOSITIONS,
which is described in U.S. Serial Number 09/424,017.

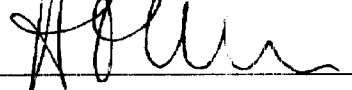
Vesuvius Crucible Company ("Vesuvius Crucible"), a corporation of the State of Delaware, having an address of 103 Foulk Road, Suite 202, Wilmington, DE 19803, U.S.A., desires to acquire the entire worldwide, right, title and interest in and to the invention and any patent that may be obtained therefore.

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Vesuvius UK hereby sells, assigns, and transfers to Vesuvius Crucible, its legal representatives, successors, and assigns, Vesuvius UK's entire right, title and interest in and to the invention throughout the world, including any patents that may be issued for the invention.

Vesuvius UK shall not execute any writing or do any act whatsoever conflicting with these presents, and Vesuvius UK shall, at any time upon request of Vesuvius Crucible, without further or additional consideration but at the expense of Vesuvius Crucible, execute such additional assignments and other writings and do such additional acts as Vesuvius Crucible may deem necessary or desirable to perfect Vesuvius Crucible's enjoyment of this grant, and render all necessary assistance in making application for and obtaining a patent on the invention, and in enforcing any rights or choses in action accruing as a result of the application or patent, by giving testimony in any proceedings or transactions involving such application or patent, and by executing preliminary statements and other affidavits. The foregoing covenant and agreement shall bind, and inure to the benefit of the parties and their legal representatives;

This assignment is effective as of February 5, 2000.

VESUVIUS UK LIMITED



Signature

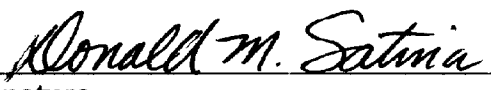
COMPANY SECRETARY

Title

6th APRIL 2001

Date

VESUVIUS CRUCIBLE COMPANY



Signature

SECRETARY

Title

APRIL 17, 2001

Date