

08-01-2002

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Mark if additional names of conveying parties attached

Name (line 1)

Desvignes, Cecile

Execution Date  
Month Day Year

5/15/02

Name (line 2)

## Second Party

Name (line 1)

Rancoule, Gilbert

Execution Date  
Month Day Year

5/22/02

Name (line 2)

## Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)

VESUVIUS CRUCIBLE COMPANY

Name (line 2)

a corporation of the State of Delaware

Address (line 1)

103 Foulk Road

Address (line 2)

Suite 202

Address (line 3)

Wilmington

Delaware/ USA

19803

City

State/Country

Zip Code

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

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**Patent Number(s)**

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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

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Enter PCT application number  
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Fee Amount for Properties Listed (37 CFR 3.41): \$

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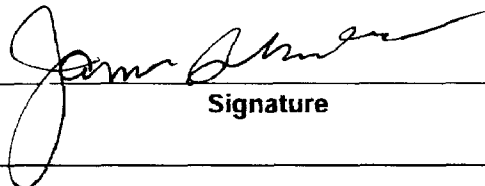
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**Statement and Signature**

*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

24 July 2002

Date

**PATENT APPLICATION ASSIGNMENT**  
**FROM INVENTORS TO VESUVIUS CRUCIBLE COMPANY**

We, Cecile Desvignes, a citizen of France, residing at "Le Pont" route de Verines, 42680 Saint Marcellin en Forez, France; and

Gilbert Rancoule, a citizen of France, residing at 12 Rue de Picardie, F-59700, Marcq-en-Baroeul, France have made a certain new and useful invention as set forth in an application for United States Letters Patent filed herewith entitled:

**INSULATING REFACTORY MATERIAL.**


Vesuvius Crucible Company, a corporation of the State of Delaware having an office at 103 Foulk Road, Suite 32, Wilmington, Delaware 19803 ("Vesuvius") is desirous of acquiring the entire right, title and interest in and to the invention and in and to any and all Letters Patent of the United States and foreign countries that may be obtained therefore.

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Vesuvius, its legal representatives, successors, and assigns, the entire right, title and interest in and to the invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries that may be issued for the invention;

We hereby agree with Vesuvius that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of Vesuvius, execute such additional assignments and other writings and do such additional acts as Vesuvius may deem necessary or desirable to perfect Vesuvius' enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States that may be issued for the invention to Vesuvius, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to the patent and the invention covered thereby.

15/05/2002  
 Date

Signature 

22/05/2002  
 Date

Signature 