

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mr. Vincent Boisdequin</td> <td>07/04/2012</td> </tr> <tr> <td>Mr. Mariano Collura</td> <td>07/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mr. Vincent Boisdequin	07/04/2012	Mr. Mariano Collura	07/04/2012
Name	Execution Date						
Mr. Vincent Boisdequin	07/04/2012						
Mr. Mariano Collura	07/04/2012						
RECEIVING PARTY DATA							
Name:	VESUVIUS GROUP S.A.						
Street Address:	Rue de Douvrain 17,						
City:	Ghlin						
State/Country:	BELGIUM						
Postal Code:	B-7011						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>EP2011001323</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	EP2011001323		
Property Type	Number						
PCT Number:	EP2011001323						
CORRESPONDENCE DATA							
Fax Number:	4124293448						
Phone:	412-429-1800 X6921						
Email:	thomas.clinton@us.vesuvius.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Thomas Clinton						
Address Line 1:	250 Park West Drive						
Address Line 4:	Pittsburgh, PENNSYLVANIA 15275						
ATTORNEY DOCKET NUMBER:	1568 US						
NAME OF SUBMITTER:	Thomas Clinton						
Total Attachments: 2 source=1568US_InventorAssignment#page1.tif source=1568US_InventorAssignment#page2.tif							

CH \$40.00 EP2011001323

INVENTION/PATENT APPLICATION ASSIGNMENT
FROM INVENTOR(S) TO COMPANY

I/WE:

- Vincent BOISDEQUIN, of 60, rue Haute-Folie B-7062 Naast (Belgium)
 - Mariano COLLURA, of rue Harmegnies, 63, B-7110 BRACQUEGNIES (Belgium);
- and

have made a certain new and useful invention as set forth in an application for United States Patent Application filed herewith, entitled :

DEVICE FOR HOLDING AND REPLACING A CASTING PLATE IN A CASTING INSTALLATION, METALLIC CASING OF CASTING PLATE AND CASTING PLATE, PROVIDED WITH MEANS INTERACTING WITH A DEVICE DETECTOR

Vesuvius Group S.A. ("Vesuvius"), a company incorporated in Belgium, having an address at rue de Douvrain 17, B-7011 GHILIN, BELGIUM, 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 therefor;

For good and valuable consideration, the receipt 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 will not execute any writing or do any act whatsoever conflicting with these presents, and 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 its 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 chooses 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 Vesuvius and its assigns.

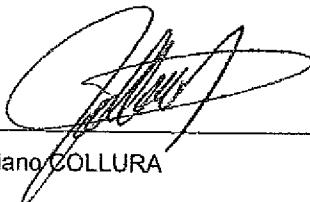
We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States that may be issued for the invention to Vesuvius, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to the patent and the invention covered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



Vincent BOISDEQUIN

July 6th, 2012

Date



Mariano COLLURA

July 6th, 2012

Date

Date

Date