

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JACQUES PIRET	02/10/2014
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<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	14343891	
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<b>DATE SIGNED:</b>	03/10/2014	
<b>Total Attachments: 2</b>		
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## ASSIGNMENT

WHEREAS:I

**Jacques PIRET**  
61, Quai de Rome  
B-4000 Liège (Belgium);

hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements in:

**"RAMMING MASS FOR THE REFRACTORY LINING OF A METALLURGICAL VESSEL, METHOD FOR THE PLACEMENT THEREOF AND METALLURGICAL VESSEL, IN PARTICULAR BLAST FURNACE, COMPRISING A LINING USING SAID RAMMING MASS"**

for which I am about to file or have filed an application for Letters Patent of the United States, which claims priority of:

LU Patent Application Nr. 91 868, filed 9 September 2011;

AND WHEREAS:

**PAUL WURTH S.A.**, a corporation organized and existing under the laws of the Country of Luxembourg, having a place of business at 32, rue d'Alsace L-1122 LUXEMBOURG,

hereinafter referred to as "ASSIGNEE", is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefore;

NOW THEREFORE:

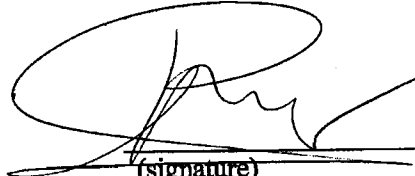
to all whom it may concern, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have assigned and transferred, and hereby assign and transfer onto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States, including priority rights, as fully set forth and described in said application; and

I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and benefit of ASSIGNEE, its successors and assigns; and

I will execute all papers necessary in connection with the United States when called upon to do so by the said ASSIGNEE, its successors or assigns, and that I will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States applications and patents issuing thereon.

The undersigned declare that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 10 February 2014 Jacques PIRET



(signature)