

## 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>
GUY THILLEN	12/19/2014
CHRISTIAN BENOIT THIX	12/19/2014
LIONEL HAUSEMER	12/19/2014
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	LUXEMBOURG
<b>State/Country:</b>	LUXEMBOURG
<b>Postal Code:</b>	L-1122
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14415888
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<b>ATTORNEY DOCKET NUMBER:</b>	ETF0670US
<b>NAME OF SUBMITTER:</b>	DANIEL F. DREXLER
<b>SIGNATURE:</b>	/Daniel F. Drexler/
<b>DATE SIGNED:</b>	01/20/2015
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS:WE

**Guy THILLEN**

136 route de Gilsdorf

L-9234 DIEKIRCH (Luxembourg);

**Christian Benoit THIX**

4, rue des Foyers

L-1537 LUXEMBOURG (Luxembourg);

**Lionel HAUSEMER**

2, rue d'Itzig

L-5231 Sandweiler (Luxembourg);

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

**"Rotary charging device for shaft furnace"**

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

LU Patent Application Nr. 92 046, filed 18 July 2012;

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, WE, 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

WE 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


WE 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 WE 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: 19. 12. 14

Guy THILLEN

  
(signature)

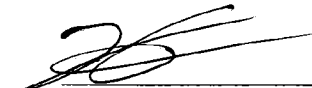
Date: 19. 12. 14

Christian Benoît THIX

  
(signature)

Date: 19. 12. 14

Lionel HAUSEMER

  
(signature)