

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>Tiago V. BERNI</td> <td>03/15/2012</td> </tr> <tr> <td>Antonio PEREIRA</td> <td>03/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tiago V. BERNI	03/15/2012	Antonio PEREIRA	03/15/2012				
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Tiago V. BERNI	03/15/2012										
Antonio PEREIRA	03/15/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>VALE S/A</td> </tr> <tr> <td>Street Address:</td> <td>Avenida Graca Aranha, n 26 - Centro</td> </tr> <tr> <td>City:</td> <td>Rio de Janeiro</td> </tr> <tr> <td>State/Country:</td> <td>BRAZIL</td> </tr> <tr> <td>Postal Code:</td> <td>20030-000</td> </tr> </table>		Name:	VALE S/A	Street Address:	Avenida Graca Aranha, n 26 - Centro	City:	Rio de Janeiro	State/Country:	BRAZIL	Postal Code:	20030-000
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PROPERTY NUMBERS Total: 1											
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Application Number:	13367087										
CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	Carenn Womack										
Total Attachments: 1 source=024031-00131_Executed-Assignment#page 1.tif											

OP \$40.00 13367087

Docket No. 024031.00131

WORLDWIDE ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

VALE S.A.
Avenida Graça Aranha, nº 26 - Centro
20030-000 Rio de Janeiro - RJ
BRAZIL

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention entitled

PROCESS TO PRODUCE ROUGH FERRO-NICKEL PRODUCT

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:


filed on February 6, 2012, Serial No. 13/367,087
(Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, division, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other application claiming priority thereto, including future inventions or future improvements, for the full term or terms for which the same may be granted.


The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, continuation-in-part, reissue or reexamination applications thereof, and any other applications claiming priority thereto, including future inventions or future improvements, and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, continuation-in-part, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon, and any other applications claiming priority thereto, including future inventions or future improvements, and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).



(SIGNATURE)



(SIGNATURE)

Tiago V. BERNI

Antonio C. PEREIRA

03/15/12

(DATE)

03/15/12

(DATE)