

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Gordon Fox WEST</td> <td>06/07/2013</td> </tr> <tr> <td>Peter Whyte WALKER</td> <td>06/07/2013</td> </tr> <tr> <td>Benjamin David POLZER</td> <td>06/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Gordon Fox WEST	06/07/2013	Peter Whyte WALKER	06/07/2013	Benjamin David POLZER	06/11/2013		
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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, 26 - Centro</td> </tr> <tr> <td>City:</td> <td>Rio de Janeiro - RJ</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, 26 - Centro	City:	Rio de Janeiro - RJ	State/Country:	BRAZIL	Postal Code:	20030-000
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 2028576395 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2028576000 Email: dcipdocket@arentfox.com Correspondent Name: Arent Fox LLP Address Line 1: 1717 K Street, NW Address Line 4: Washington, DISTRICT OF COLUMBIA 20036</p>											
ATTORNEY DOCKET NUMBER:	024031.00166										
NAME OF SUBMITTER:	Natasha Brown										
Signature:	/Natasha Brown/										
Date:	08/26/2013										
Total Attachments: 1 source=024031.00166_ExecutedAssignment#page1.tif											

OP \$40.00 13868803

Docket No. 024031.00166

U.S. 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

[Insert
ASSIGNEE's
Name(s)
Address(es)]

VALE S.A.
Avenida Graça Aranha, 26
Centro, Rio de Janeiro
20030-000 -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

[Title of
Invention]

BUCKING CIRCUIT FOR ANNULING A MAGNETIC FIELD

[*If the assignment
is being filed
after the filing of the
application, this
section must be
completed]

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

filed on April 23, 2013, Serial No. 13/868,803
(Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)


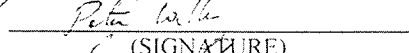

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof, and any other application claiming priority thereto, for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof 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, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon 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(s)
of Assignor(s)]

	_____ (SIGNATURE)	Gordon Fox WEST	_____ (DATE)
	_____ (SIGNATURE)	Peter Whyte WALKER	_____ (DATE)
	_____ (SIGNATURE)	Benjamin David POLZER	_____ (DATE)
_____	(SIGNATURE)	_____	(DATE)
_____	(SIGNATURE)	_____	(DATE)
_____	(SIGNATURE)	_____	(DATE)

TECH/1357439.1