

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3230521

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the TYPOGRAPHICAL ERROR IN THE ASSIGNEE'S NAME previously recorded on Reel 029408 Frame 0069. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JARMO UOLEVI LEPPANEN	02/12/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SANDVIK MINING AND CONSTRUCTION RSA (PTY) LTD
<b>Street Address:</b>	64 JET PARK ROAD
<b>Internal Address:</b>	JET INDUSTRIES SITES
<b>City:</b>	EAST RAND
<b>State/Country:</b>	SOUTH AFRICA
<b>Postal Code:</b>	1462
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13639556
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)739-3001
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2027393000
<b>Email:</b>	patents@morganlewis.com, kcasavecchia@morganlewis.com
<b>Correspondent Name:</b>	JEFFREY G. KILLIAN
<b>Address Line 1:</b>	MORGAN, LEWIS & BOCKIUS LLP
<b>Address Line 2:</b>	1111 PENNSYLVANIA AVENUE NW
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	042866-8682
<b>NAME OF SUBMITTER:</b>	JEFFREY G. KILLIAN
<b>SIGNATURE:</b>	/Jeffrey G. Killian/
<b>DATE SIGNED:</b>	02/18/2015
<b>Total Attachments: 3</b>	
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## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jarmo Uolevi Leppanen	10/19/2012
RECEIVING PARTY DATA	
RSA	
Name:	SANDVIK MINING AND CONSTRUCTION SAS (PTY) LTD
Street Address:	64 Jet Park Road
Internal Address:	Jet Industries Sites
City:	East Rand
State/Country:	SOUTH AFRICA
Postal Code:	1462
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13639556
CORRESPONDENCE DATA	
Fax Number:	2027393001
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2027393000
Email:	adowney@morganlewis.com, patents@morganlewis.com
Correspondent Name:	Jeffrey G. Killian
Address Line 1:	1111 Pennsylvania Avenue NW
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20004
ATTORNEY DOCKET NUMBER:	042866-8682
NAME OF SUBMITTER:	Jeffrey G. Killian
Total Attachments: 1 source=042866-8682_Assignment-12052012#page1.tif	

13639556  
 CH \$40.00

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**Surface Blasting Product**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on 5 October 2012, (Application No. 13/639,556); and

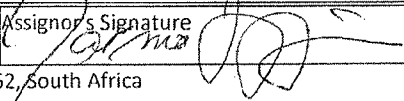
WHEREAS, SANDVIK MINING AND CONSTRUCTION RSA (PTY) LTD, a corporation of South Africa, whose post office address is 64 Jet Park Road, Jet Industries Sites, East Rand, 1462, South Africa, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of First Assignor Jarmo Uolevi Leppanen	Assignor's Signature 	Date 12.02.2015
64 Jet Park Road, Jet Industries Sites, East Rand, 1462, South Africa		Citizenship ZA
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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