

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Antti Lehtinen</td> <td>01/12/2012</td> </tr> <tr> <td>Hannu Makela</td> <td>01/10/2012</td> </tr> <tr> <td>Jarkko Ruokojarvi</td> <td>01/16/2012</td> </tr> <tr> <td>Jouni Sievila</td> <td>01/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Antti Lehtinen	01/12/2012	Hannu Makela	01/10/2012	Jarkko Ruokojarvi	01/16/2012	Jouni Sievila	01/10/2012
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Sandvik Mining and Construction Oy</td> </tr> <tr> <td>Street Address:</td> <td>Pihtisulunkatu 9</td> </tr> <tr> <td>City:</td> <td>Tampere</td> </tr> <tr> <td>State/Country:</td> <td>FINLAND</td> </tr> <tr> <td>Postal Code:</td> <td>FI-33330</td> </tr> </table>		Name:	Sandvik Mining and Construction Oy	Street Address:	Pihtisulunkatu 9	City:	Tampere	State/Country:	FINLAND	Postal Code:	FI-33330
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (202)739-3001</p> <p>Phone: 202-739-3000</p> <p>Email: jkillian@morganlewis.com, dtalley@morganlewis.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Morgan Lewis & Bockius LLP</p> <p>Address Line 1: 1111 Pennsylvania Ave., NW</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20004</p>											
ATTORNEY DOCKET NUMBER:	042866-8648										
NAME OF SUBMITTER:	Jeffrey G. Killian										
Total Attachments: 8											

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ASSIGNMENT

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

DEFINITION OF CONTROL DATA FOR AUTOMATIC CONTROL OF MOBILE MINING MACHINE

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on 22 December 2011, (Application No. 13/380,243); and


WHEREAS, Sandvik Mining and Construction Oy, a corporation of Finland whose post office address is, Pihtisulunkatu 9, FI-33330 Tampere, Finland, (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 Antti LEHTINEN	Assignor's Signature 	Date 12.01.2012
c/o Sandvik Mining and Construction Oy, Pihtisulunkatu 9, FI-33330 Tampere, Finland		Citizenship FI
Full Name of Second Assignor Hannu MÄKELÄ	Assignor's Signature	Date
Repovuorentie 10, FI-00670 Helsinki, Finland		Citizenship
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

ATTORNEY DOCKET NO.: 42866-8648

SOLE/JOINT INVENTION

(U.S. Rights Only)

(Continued)

Full Name of Third Assignor Jarkko RUOKOJÄRVI	Assignor's Signature	Date
c/o Sandvik Mining and Construction Oy, Pihtisulunkatu 9, FI-33330 Tampere, Finland		Citizenship FI
Full Name of Fourth Assignor Jouni SIEVILÄ	Assignor's Signature	Date
Vanhankyläntie 5 D 10, FI-01630 Vantaa, Finland		Citizenship
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

PATENT

REEL: 028076 FRAME: 0553

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Full Name of Second Assignor Hannu MÄKELÄ	Assignor's Signature <i>Hannu Mäkelä</i>	Date 10.1.2012
Repovuorentie 10, FI-00670 Helsinki, Finland		Citizenship
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

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Full Name of Third Assignor Jarkko RUOKOJÄRVI	Assignor's Signature <i>Jarkko Ruokojärvi</i>	Date <i>16 January 2012</i>
c/o Sandvik Mining and Construction Oy, Pihtisulunkatu 9, FI-33330 Tampere, Finland		Citizenship FI
Full Name of Fourth Assignor Jouni SIEVILÄ	Assignor's Signature	Date
Vanhankyläntie 5 D 10, FI-01630 Vantaa, Finland		Citizenship
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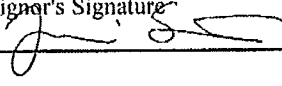
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