

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JUOKO MUONA	08/31/2021
JUHA-MATTI MYLLYLA	04/02/2019
RECEIVING PARTY DATA	
Name:	SANDVIK MINING AND CONSTRUCTION OY
Street Address:	PIHTISULUNKATU 9
Internal Address:	33330
City:	TAMPERE
State/Country:	FINLAND
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17426347
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	703-505-4761
Email:	rima.malik@sandvik.com
Correspondent Name:	CORINNE GORSKI
Address Line 1:	3200 HIGHLANDS PARKWAY SE
Address Line 2:	#200
Address Line 4:	SMYRNA, GEORGIA 30082
ATTORNEY DOCKET NUMBER:	SMR 15064UGWOUS
NAME OF SUBMITTER:	CORINNE GORSKI
SIGNATURE:	/Corinne Gorski/
DATE SIGNED:	10/28/2021
Total Attachments: 3	
source=Assignment signed_Jouko Muona#page1.tif	
source=Assignment signed_Jouko Muona#page2.tif	
source=P15064UGEP_2019-02-04_Signed Assignment#page1.tif	

SMR 15064UGWOUS

ATTORNEY DOCKET NO.: SMR 15064UGWOUS
SOLE/JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:
APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT FOR DESIGNING BLASTING ORDER

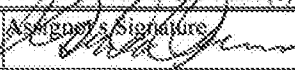
WHEREAS, SANDVIK MINING AND CONSTRUCTION OY, a corporation of Finland, whose post office address is Pihtisulunkatu 9, 33330 Tampere (FI) (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters 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 Juoko MUONA JUOKO MUONA	Assignor's Signature 	Date 31. August. 2021
Pihtisulunkatu 9, 33330 Tampere (FI)		Citizenship FI
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

SMR 15064UGWOUS

Full Name of Second Assignor Juha-Matti MYLLYLÄ	Assignor's Signature	Date
Meiramipolku 2A 1, 33710 Tampere (FI)		Citizenship FI

Sandvik reference: P15064

Confirmation of Assignment Patent

I/We (names) as The "Inventor/-s" and "Assignor/-s" hereby finally and irrevocably assign my/our entire rights and title to the patentable invention included in the Invention disclosure entitled:

**"P15064 Apparatus, method and computer program product for designing
blasting order"**
"

to the Assignee, being : SANDVIK MINING AND CONSTRUCTION OY
PIHTISULUNKATU 9
33330 TAMPERE
FINLAND

I/We confirm that as at the date of this Agreement I have assigned to the Assignee all my rights and title that I/We may have anywhere in the world in relation to the Invention. This Assignment includes the exclusive right for the Assignee to seek and obtain in its sole name patent or other intellectual protection for the Invention in any country, including the right to claim priority from any patent application describing the Invention. I undertake to, without delay, assist the Assignee in all work with patent applications that concern the Invention, including but not limited to signing all documents, providing necessary information and undertaking other reasonable measures which are necessary in order for the Assignee to be free and not limited by the terms of this Assignment to assign or otherwise convey any interest in the Invention to any third part.

This Assignment shall be governed by and construed in accordance with the laws of Finland.

Any dispute, controversy or claim arising out of or in connection with this Assignment or the validity hereof shall be finally settled by arbitration in accordance with the Rules of the Arbitration Institute of the Central Chamber of Commerce in Finland. The arbitral tribunal shall be composed of a sole arbitrator who shall be appointed in accordance with the said rules. The place of arbitration shall be Tampere, Finland.

Place and Date:

Tampere 4.2.2019

Inventor(s)/Assignor(s) Signature:

Juha-Matti Myllylä

Clarification of signature:

Juha-Matti Myllylä

Home Address:

Meiraniemenkatu 247 33710 Tampere