

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6012462

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	OSSI NIEMIOJA	02/20/2020	
	ESA TYNKKYNEN	02/02/2020	
	MARKO TOURUNEN	02/19/2020	
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:	16717510	
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:	SMRT 15174HBUS		
NAME OF SUBMITTER:	CORINNE GORSKI		
SIGNATURE:	/Corinne Gorski/		
DATE SIGNED:	03/13/2020		
Total Attachments: 6			
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PATENT

REEL: 052104 FRAME: 0285

SMRT 15174HBUS

ATTORNEY DOCKET NO.: SMRT 15174HBUS
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:

INSERT BUSHING ARRANGEMENT, BREAKING HAMMER AND RELATED METHOD

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;

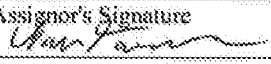
AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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 Esa TYNKKYNNEN	Assignor's Signature	Date
Sandvik Mining and Construction Oy, Breakers Lahti, PL 165, 15101 Lahti, FI		Citizenship FI
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

SMRT 15174HBUS

Full Name of Second Assignor Ossi NIEMIOJA	Assignor's Signature	Date
Sandvik Mining and Construction Oy, Breakers Lahti, PL 165, 15101 Lahti, FI		Citizenship FI
Full Name of Third Assignor Marko TOURUNEN	Assignor's Signature 	Date 19/2/2020
Sandvik Mining and Construction Oy, Breakers Lahti, PL 165, 15101 Lahti, FI		Citizenship FI

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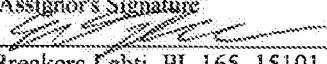
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AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful 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.

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Full Name of First Assignor Esa TYNKKYENEN	Assignor's Signature 	Date 2nd Feb 2020
Sandvik Mining and Construction Oy, Breakers Lahti, PL 165, 15101 Lahti, FI		Citizenship FI
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

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Full Name of Second Assignor Ossi NIEMIOJA	Assignor's Signature	Date
Sandvik Mining and Construction Oy, Breakers Lahti, PL 165, 15101 Lahti, FI		Citizenship FI
Full Name of Third Assignor Marko TOURUNEN	Assignor's Signature	Date
Sandvik Mining and Construction Oy, Breakers Lahti, PL 165, 15101 Lahti, FI		Citizenship FI

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Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

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Full Name of Second Assignor Ossi NIEMIOJA	Assignor's Signature <i>Ossi Niemioja</i>	Date Feb 20, 2020
Sandvik Mining and Construction Oy, Breakers Lahti, PL 165, 15101 Lahti, FI		Citizenship FI
Full Name of Third Assignor Marko TOURUNEN	Assignor's Signature	Date
Sandvik Mining and Construction Oy, Breakers Lahti, PL 165, 15101 Lahti, FI		Citizenship FI