

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>Mats KRISTERSON</td> <td>06/15/2012</td> </tr> <tr> <td>Carl-Gustav MARTINSSON</td> <td>06/15/2012</td> </tr> <tr> <td>Sverker HARTWIG</td> <td>07/04/2012</td> </tr> <tr> <td>Kai EMANUELSSON</td> <td>06/28/2012</td> </tr> <tr> <td>Gunnar NORD</td> <td>07/09/2012</td> </tr> <tr> <td>Morgan NORLING</td> <td>06/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mats KRISTERSON	06/15/2012	Carl-Gustav MARTINSSON	06/15/2012	Sverker HARTWIG	07/04/2012	Kai EMANUELSSON	06/28/2012	Gunnar NORD	07/09/2012	Morgan NORLING	06/29/2012
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Gunnar NORD	07/09/2012														
Morgan NORLING	06/29/2012														
RECEIVING PARTY DATA															
Name:	ATLAS COPCO CRAELIUS AB														
Street Address:	ATLAS COPCO CRAELIUS AB														
City:	Marsta														
State/Country:	SWEDEN														
Postal Code:	SE-195 82														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13574739</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13574739										
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Application Number:	13574739														
CORRESPONDENCE DATA															
Fax Number:	2023448300														
Phone:	202-344-4000														
Email:	ptomail@venable.com, ksfeatherston@venable.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Eric J. Franklin														
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Address Line 4:	WASHINGTON, DC, DISTRICT OF COLUMBIA 20004														
ATTORNEY DOCKET NUMBER:	117462-335078														
NAME OF SUBMITTER:	Eric J. Franklin														
Total Attachments: 1 source=335078_ASSIGNMENT#page1.tif															

CH \$40.00 13574739

ASSIGNMENT

Attorney Docket _____

In consideration of value received, I, having a residence and post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

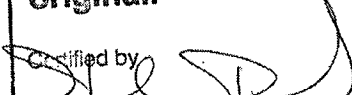
Method and device for working rock

sell and assign to **Atlas Copco Craelius AB**

a corporation of **Märsta, Sweden**

having a business address at **SE-195 82 MÄRSTA, Sweden**

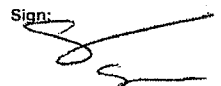
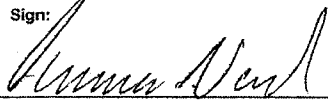
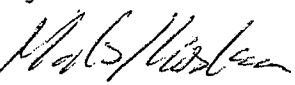


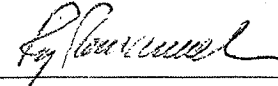
Exact copy of the original.

Certified by 

Patricia Damberg
Atlas Copco Rock Drills AB | PATENTS

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed concurrently herewith;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

	INVENTOR: SIGNATURE and DATE	RESIDENCE AND POST OFFICE ADDRESS
2 0 1	Sign:  Date: 2012 07 04	Gripsvällsvägen 7 SE-187 33 Täby Sweden
	Type: HARTWIG, Sverker	
2 0 2	Sign:  Date: 2012-07-09	Edsviksvägen 118 SE-191 43 Sollentuna Sweden
	Type: NORD, Gunnar	
2 0 3	Sign:  Date: 15/6-2012	Östra Kärrtorpsvägen 139 SE-270 33 Vollsjö Sweden
	Type: KRISTERSON, Mats	
2 0 4	Sign:  Date: 15/6-2012	Rolsberga Böstofta 114 SE-240 33 Löberöd Sweden
	Type: MARTINSSON, Carl-Gustav	
2 0 5	Sign:  Date: 29/6-2012	Riagatan 9 SE-702 26 Örebro Sweden
	Type: NORLING, Morgan	
2 0 6	Sign:  Date: 28/6-2012	Svanebäcksvägen 34 SE-263 62 Viken Sweden
	Type: EMANUELSSON, Kaj	

PATENT