

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2578355

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CONSTRUCTION RESEARCH & TECHNOLOGY GMBH	04/29/2013
RECEIVING PARTY DATA	
Name:	ATLAS COPCO ROCK DRILLS AB
Street Address:	SE-701 91 OREBRO
City:	OREBRO
State/Country:	SWEDEN
Postal Code:	SE-701 91
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	5851580
CORRESPONDENCE DATA	
Fax Number:	(212)808-0844
Phone:	2128080700
Email:	jkelly@nmmlaw.com
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>	
Correspondent Name:	NORRIS MCLAUGHLIN & MARCUS PA
Address Line 1:	875 THIRD AVENUE, 8TH FLOOR
Address Line 4:	NEW YORK, NEW YORK 10022
ATTORNEY DOCKET NUMBER:	102793-1
NAME OF SUBMITTER:	ANDREW N. PARFOMAK
Signature:	/Andrew N. Parfomak/
Date:	10/15/2013
Total Attachments: 3 source=102793-1Assnt1#page1.tif source=102793-1Assnt1#page2.tif source=102793-1Assnt1#page3.tif	

CH \$40.00 5851580

Assignment of Patent Rights

For good and valuable consideration, the receipt of which is hereby acknowledged, Construction Research & Technology GmbH, a *German* company having an address at Dr.-Albert-Frank-Strasse 32, DE-83308 Trostberg ("Assignor"), hereby confirm having sold, assigned, transferred, and conveyed on the 2:nd of April 2013 unto Atlas Copco Rock Drills AB, a Swedish company having an address at SE-701 91 Örebro, Sweden ("Assignee"), or its designees, all right, title, and interest that exist on that day and may exist in the future in and to any and all of the following:

- a) the patent(s) and patent application(s) listed in the attached Exhibit A (the "Patents");
 - i) to which any of the Patents directly or indirectly claims priority,
 - ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or
 - iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Patents;
- c) all reissues, re-examinations, extensions, continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories a) and b);
- d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories a) through c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- e) all inventions, invention disclosures, and discoveries described in any of the Patents that:
 - i) are included in any claim in the Patents,
 - ii) are subject matter capable of being reduced to a patent claim in a reissue or re-examination proceedings brought on any of the Patents, and/or
 - iii) could have been included as a claim in any of the Patents;
- f) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories a) through e), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- g) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, the Patents and/or any item in any of the foregoing categories b) through f), including, without limitation, all causes of action and other enforcement rights for
 - (i) damages,
 - (ii) injunctive relief, and
 - (iii) any other remedies of any kind for past, current, and future infringement; and

h) any causes for action for duly maintaining and defending the IP Rights at the risk and cost and expense of the Buyer against any third party infringements or attempted infringements, including defence or settlement of the Claim and to bear the risk and costs and expenses of the maintenance and defences or settlements of the Claims; and

i) all rights to collect royalties and other payments under or on account of the Patents and/or any item in any of the foregoing categories a) through g);

(a)-i) collectively, the "Patent Rights").

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives to the extent permitted by the mandatory provisions of law.

IN WITNESS WHEREOF, this Assignment of Patent Rights is signed at Trostberg on July 12, 2013.

ASSIGNOR:

By:

Name: Dr. Reinhard Kröner
Title: Authorized Officer

By: R. Wasthuber
Roland Wasthuber
Authorized Officer

Witnessed by:

Name: Monika Landshut

Address: c/o: Dr.-Albert-Frank-Strasse 32, DE-83308 Trostberg

Name: Marion Welke

IN WITNESS WHEREOF, this Assignment of Patent Rights is signed at Örebro on

25 July 2013

ASSIGNEE:

By: Hans Rimmerfors
Name: General Manager
Title: Atlas Copco Rock Drills AB

Witnessed by:

Name: Otto Nyāngan
Address: c/o Atlas Copco Rock Drills AB
701 91 Örebro
Sweden

Witnessed by:

Name: Bengt Östas
Address: c/o Atlas Copco Rock Drills AB
701 91 Örebro
Sweden

IPTA Exhibit 1 IPR Corte Patents

PF No.	Title	Date of Priority	Coun try	Application Date	Application No.	Date of Grant	Patent No.	Status	Owner
59512	wet spraying machine with non-pollution	16.05.1991	US	27.10.1993	08/144088	17.10.1995	5456470	granted	Corte
0000059584	AUTOMATIC SPRAYING	28.03.1995	CH	25.03.1996	0076596	15.01.2001	690758	granted	Corte
0000059584	robot shotcrete spraying apparatus	27.12.1995	AT	23.12.1996	96/002251	27.12.2002	406885	granted	Corte
0000059584	robot shotcrete spraying apparatus	27.12.1995	CH	27.12.1995	03662/95	15.11.2001	691873	granted	Corte
0000059584	robot shotcrete spraying apparatus	27.12.1995	DE	18.12.1996	19652611 9	20.04.2006	19652811	granted	Corte
0000059584	robot shotcrete spraying apparatus	27.12.1995	FR	17.12.1996	9615624	15.12.2000	9615624	granted	Corte
0000059584	robot shotcrete spraying apparatus	27.12.1995	US	23.12.1996	09/772682	22.12.1998	5851580	granted	Corte
0000059599	Spray Nozzle	24.09.1996	AT	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	AU	24.09.1997	97/046251	17.08.2000	718940	granted	Corte
0000059599	Spray Nozzle	24.09.1996	BR	24.09.1997	P19706756-3	30.04.2002	P19706756	granted	Corte
0000059599	Spray Nozzle	24.09.1996	CA	24.09.1997	2237905	25.04.2006	2237905	granted	Corte
0000059599	Spray Nozzle	24.09.1996	CH	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	CH	24.09.1996	02327/96	14.09.2001	691692	granted	Corte
0000059599	Spray Nozzle	24.09.1996	CL	24.09.1997	97/001860	26.03.2010	46476	granted	Corte
0000059599	Spray Nozzle	24.09.1996	DE	24.09.1997	69727907 3	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	ES	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	FR	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	GB	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	GR	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	IT	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	JP	24.09.1997	98/515300	29.07.2005	3703853	granted	Corte
0000059599	Spray Nozzle	24.09.1996	NL	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	PT	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	SE	24.09.1997	PCT/EP97/05325	03.03.2004	0868582	granted	Corte
0000059599	Spray Nozzle	24.09.1996	US	24.09.1997	09/086593	23.05.2000	6065685	granted	Corte
0000059833	Vorrichtung zum Beschichten von Tunnelwänden	16.03.2004	EP	17.02.2005	05707456 1-1266			pending	Corte
0000059833	Vorrichtung zum Beschichten von Tunnelwänden	16.03.2004	AU	17.02.2005	2005228979	18.11.2010	200522897 9	granted	Corte
0000059833	Vorrichtung zum Beschichten von Tunnelwänden	16.03.2004	CA	17.02.2005	2560089			pending	Corte
0000059833	Vorrichtung zum Beschichten von Tunnelwänden	16.03.2004	CN	17.02.2005	200580007928 1	07.12.2011	ZL2005800 07928 1	granted	Corte
0000059833	Vorrichtung zum Beschichten von Tunnelwänden	16.03.2004	DE	16.03.2004	102004012998 3			pending	Corte
0000059833	Vorrichtung zum Beschichten von Tunnelwänden	16.03.2004	JP	17.02.2005	07/503214	13.08.2010	4567726	granted	Corte
0000059833	Vorrichtung zum Beschichten von Tunnelwänden	16.03.2004	NO	17.02.2005	064633			pending	Corte
0000059833	Vorrichtung zum Beschichten von Tunnelwänden	16.03.2004	US	17.02.2005	10/593001			pending	Corte
73621	Echtzeit Schichtstärkenmessung mit Radartechnologie	05.10.2012	EP	05.10.2012	12187373 1			pending	Corte
73621	Echtzeit Schichtstärkenmessung mit Radartechnologie	05.10.2012	US	05.10.2012	61/710002			pending	Corte
74128	Füllgradverbesserung von volumetrischen Betonpumpen	14.11.2012	EP	14.11.2012	12192494 8			pending	Corte
74128	Füllgradverbesserung von volumetrischen Betonpumpen	14.11.2012	US	14.11.2012	61/726020			pending	Corte