

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5946356

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	HEXAGON AB	06/05/2015
RECEIVING PARTY DATA		
Name:	HEXAGON TECHNOLOGY CENTER GMBH	
Street Address:	HEINRICH-WILD-STRASSE 201	
City:	HEERBRUGG	
State/Country:	SWITZERLAND	
Postal Code:	9435	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15982895
CORRESPONDENCE DATA		
Fax Number:	(949)760-9502	
<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:	9497600404	
Email:	efiling@knobbe.com	
Correspondent Name:	KNOBBE, MARTENS, OLSON & BEAR, LLP	
Address Line 1:	2040 MAIN STREET, 14TH FLOOR	
Address Line 4:	IRVINE, CALIFORNIA 92614	
ATTORNEY DOCKET NUMBER:	HEXTC.057C5	
NAME OF SUBMITTER:	KREGG A. KOCH	
SIGNATURE:	/Kregg A. Koch/	
DATE SIGNED:	02/04/2020	
Total Attachments: 54		
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IP ASSIGNMENT AGREEMENT

This IP Assignment Agreement (this "Agreement") is dated June 5, 2015 and made between:

- (1) **HEXAGON AB**, a corporation (*aktiebolag*) incorporated under the laws of Sweden (the "Transferor"); and
- (2) **HEXAGON TECHNOLOGY CENTER GMBH**, a company formed under the laws of Switzerland (the "Transferee").

(the Transferor and the Transferee are jointly referred to as the "Parties").

WHEREAS, pursuant to the terms of that certain Transfer Agreement dated as of the date hereof, by and between Transferor and Transferee ("Transfer Agreement" or "B&S and NRK IP Assignment Agreement"), Transferor does hereby sell, convey, transfer, assign, set over and deliver exclusively to Transferee all of its rights to the intellectual property, trademarks, service marks, logos, including registrations and applications for registration thereof, patents, reissues, reexaminations, extensions, continuations in part, continuing prosecution applications provisional and divisions of such patents and any related know-how and intangibles (collectively, "Intellectual Property Rights") related to the matters described on Appendix 1 (collectively, the "Assigned Rights"); and

WHEREAS, the Transferor wishes to transfer and assign all its right to such Assigned Rights and the Transferee desires to accept such transfer of such Assigned Rights.

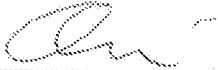
NOW THEREFORE, the Parties agree as follows:

1. **ASSIGNMENT.** Upon execution of this Agreement:
 - a) the Transferor transfers, assigns, conveys and delivers to the Transferee, and Transferee accepts from Transferor, all of its entire right, title and interest under the Assigned Rights and any claims of infringement thereof; and
 - b) Transferor does hereby constitute and appoint Transferee, its successors and assigns, as the Transferor's true and lawful attorney, with full power of substitution, for it and in its name, place and stead or otherwise, by and on behalf of and for the benefit of Transferee, its successors and assigns, to demand and receive from time to time any and all Assigned Rights, Transferor hereby declaring that the appointment hereby made and the powers hereby granted are coupled with an interest and are and shall be irrevocable by Transferor in any manner or for any reason.
2. **MISCELLANEOUS**
 - 2.1 Amendment. No amendment, modification or waiver in respect of this Agreement will be effected unless in writing and executed by each of the Parties.
 - 2.3 Further Assurances. If at any time any party hereto shall reasonably request any further action by any other party to carry out the purposes of this Agreement or to further effectuate the transactions contemplated hereby, such other party, without expense to the requesting party, shall promptly take such action (including the prompt execution and delivery of further instruments and documents).
 - 2.2 Counterparts. This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same agreement. Any signature delivered by e-mail delivery of a ".pdf" format data file shall have the same force and effect as if such ".pdf" signature page were an original thereof.

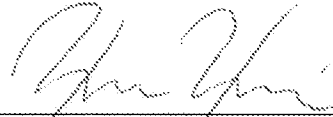
3. **GOVERNING LAW.** This Agreement shall be governed and construed by the laws of Sweden.

IN WITNESS WHEREOF, the Parties have duly executed this Agreement as of the day and year first above written.

HEXAGON AB



Name: Ola Rollén



Name: Robert Belkic

HEXAGON TECHNOLOGY CENTER GMBH

Name: Knut Siercks

Title: Managing Director

3. **GOVERNING LAW.** This Agreement shall be governed and construed by the laws of Sweden.

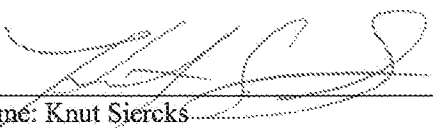
IN WITNESS WHEREOF, the Parties have duly executed this Agreement as of the day and year first above written.

HEXAGON AB

Name: Ola Rollén

Name: Robert Belkie

HEXAGON TECHNOLOGY CENTER GMBH



Name: Knut Siercks
Title: Managing Director

APPENDIX 1
INTELLECTUAL PROPERTY

Please see the following pages.

Hexagon Metrology AB (Owner)

1/14/2015

Overview I:

Patents, patent applications and utility models
owned by

HEXAGON METROLOGY AB

Patent Family K22-51891 ("Apparatus and Method for Dimensional Metrology") → see overview 2 / Wilcom

1

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology, Inc. / OceanSide

Patent Family: KZP-51451

1/14/2015

Patent Family:

KZP-51451

Title:

Articulated Arm

Systems and Methods for Control and Calibration of a Coordinate Measuring Machine *

Coordinate Measuring Machine with Improved Sensors **

Coordinate Measuring Machine with Modular Functionality ***

Enhanced Position Detector for a Coordinate Measuring Machine ****

Improved Articulated Arm †

Hexagon Metrology, Inc. / OceanSide, CA

Internal References: HEXAG.053; HEXAG.057; HEXAG.058; HEXAG.059; HEXAG.060

Applicant: Hexagon Metrology AB

Inventors: Paul Ferrari, Peter Champ, Laurent Desfruges, Jean-Paul Delencze, Thibault Duportal, Jean-Luc Fumechon, Jerry Gerez, Hong Dingruai,

Heinz Lippuner, Denny Roux, Elie Shammas, Knut Siercks, Roger Tait

Priority Date:

06.11.2009

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51451-US	Hexagon Metrology AB	26.03.2010	12748.169	12.05.2011	US 2011/0107612 A1	14.02.2012	US 8,112,896 B2	Patent in force
US	KZP-51451-US1	Hexagon Metrology AB	26.03.2010	12748.243 *	12.05.2011	US 2011/0107611 A1	27.12.2011	US 8,082,679 B2	Patent in force
US	KZP-51451-US2	Hexagon Metrology AB	26.03.2010	12748.278 **	12.05.2011	US 2011/0112786 A1			Application pending
US	KZP-51451-US3	Hexagon Metrology AB	26.03.2010	12748.246 ***	12.05.2011	US 2011/0107613 A1	10.04.2012	US 8,151,477 B2	Patent in force
US	KZP-51451-US4	Hexagon Metrology AB	26.03.2010	12748.267 ****	12.05.2011	US 2011/0107614 A1	24.01.2012	US 8,099,577 B2	Patent in force
US	KZP-51451-US5	Hexagon Metrology AB	28.11.2011	13305.425 * (Continuation of US1)	22.05.2012	US 2012/0066923 A1	29.04.2014	US 8,707,572 B2	Patent in force
US	KZP-51451-US6	Hexagon Metrology AB	21.12.2011	13333.655 *** (Continuation of US4)	19.04.2012	US 2012/0080185 A1	11.12.2012	US 8,327,535 B2	Patent in force
US	KZP-51451-US7	Hexagon Metrology AB	17.01.2012	13352.002 (Continuation of US)	14.06.2012	US 2012/0144694 A1	26.03.2013	US 8,403,669 B2	Patent in force

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Parent Issue Date	Parent No.	Status
US	KZP-51451-US8	Hexagon Metrology AB	02.03.2012	13/411,952 ** (Continuation of US3)	06.09.2012	US 2012/022323 A1	02.04.2013	US 8,407,907 B2	Patent in force
US	KZP-51451-US10	Hexagon Metrology AB	05.03.2013	13/786,183 ** (Continuation of US8)	19.09.2013	US 2013/023942 A1	22.04.2014	US 8,701,299 B2	Patent in force
US	KZP-51451-US11	Hexagon Metrology AB	20.02.2013	13/772,120 (Continuation of US7)	23.01.2014	US 2014/002025 A1	30.09.2014	US 8,844,151 B2	Patent in force
US	KZP-51451-US12	Hexagon Metrology AB	18.03.2014	14/218,538 ** (Continuation of US10)	21.08.2014	US 2014/023026 A1			Application pending
US	KZP-51451-US14	Hexagon Metrology AB	22.04.2014	14/259,021 * (Continuation of US5)	02.10.2014	US 2014/023028 A1			Application pending
US	KZP-51451-US15	Hexagon Metrology AB	29.08.2014	14/473,824 (Continuation of US11)					Application pending
CA	KZP-51451-CA	Hexagon Metrology AB	05.11.2010 (04.05.2012)	2,780,147 †	24.07.2012	CA 2,780,147 A1			Application pending
CN	KZP-51451-CN	Hexagon Metrology AB	05.11.2010 (06.07.2012)	201080660906.2 †	31.10.2012	CN 102762950 A			Application pending
CN	KZP-51451-CN1	Hexagon Metrology AB	05.11.2010 (03.05.2013)	201310160735.6 † (Divisional of CN)	11.05.2013	CN 103292657 A			Application pending
CN	KZP-51451-CN2	Hexagon Metrology AB	05.11.2010 (03.05.2013)	201310160836.1 † (Divisional of CN)	02.10.2013	CN 103333574 A			Application pending
CN	KZP-51451-CN3	Hexagon Metrology AB	05.11.2010 (03.05.2013)	201310161206.8 † (Divisional of CN)	28.08.2013	CN 103267462 A			Application pending
CN	KZP-51451-CN4	Hexagon Metrology AB	05.11.2010 (03.05.2013)	201310161007.7 † (Divisional of CN)	02.10.2013	CN 103335575 A			Application pending
EP	KZP-51451-EP	Hexagon Metrology AB	05.11.2010 (06.06.2012)	10779875.3 †	12.05.2012	EP 2 496 909 A2			Application pending
EP	KZP-51451-EP1	Hexagon Metrology AB	05.11.2010 (28.03.2013)	19161818.3 † (Divisional of EP)	03.07.2013	EP 2 610 580 A1			Application pending

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology, Inc. / Oceanside

Patent Family: KZP-51451

1/14/2015

Country	Hexagon / EHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Parent Issue Date	Patent No.	Status
EP	KIP-51451-EP1	Hexagon Metrology AB	05.11.2010 (28.03.2013)	13161819.1 † (Divisional of EP)	03.07.2013	EP 2 610 581 A1			Application pending
EP	KIP-51451-EP2	Hexagon Metrology AB	05.11.2010 (28.03.2013)	13161820.9 † (Divisional of EP)	03.07.2013	EP 2 610 582 A1			Application pending
EP	KIP-51451-EP4	Hexagon Metrology AB	05.11.2010 (28.03.2013)	13161821.7 † (Divisional of EP)	03.07.2013	EP 2 610 583 A1			Application pending
EP	KIP-51451-EP5	Hexagon Metrology AB	05.11.2010 (07.03.2014)	14158320.3 † (Divisional of EP)	18.06.2014	EP 2 740 633 A1			Application pending
JP	KZP-51451-JP	Hexagon Metrology AB	05.11.2010 (07.03.2012)	2012-538047 †	21.03.2013	JP 2013-510320 A			Application pending
JP	KZP-51451-JP1	Hexagon Metrology AB	05.11.2010 (17.07.2012)	2012-158853 † (Divisional of JP)	27.12.2012	JP 2012-254522 A			Application pending
JP	KZP-51451-JP2	Hexagon Metrology AB	05.11.2010 (17.07.2012)	2012-158854 † (Divisional of JP)	29.11.2012	JP 2012-258912 A			Application pending
JP	KZP-51451-JP3	Hexagon Metrology AB	05.11.2010 (17.07.2012)	2012-158855 † (Divisional of JP)	29.11.2012	JP 2012-258913 A			Application pending
JP	KZP-51451-JP4	Hexagon Metrology AB	05.11.2010 (17.07.2012)	2012-158856 † (Divisional of JP)	13.12.2012	JP 2012-247430 A			Application pending

Expired applications:

US 61/759,105 (KZP-51451-USP)
 PCT/US2010/055713 (KZP-51451-WO)
 priority application
 national/regional stage entry in CA, CN, EP and JP

Lapsed applications:

US 13/673,785 (KZP-51451-USP)
 US 14/218,559 (KZP-51451-USP)
 continuation of US6
 continuation of US6

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology, Inc. / OceanSIDE

Patent Family: KZP-51563

1/14/2015

Patent Family: KZP-51563

Title: Coordinate Measuring Machine with Improved Joint

Entity of Origin: Hexagon Metrology, Inc. / OceanSIDE, CA

Internal Reference: HEXAG-032

Applicant: Hexagon Metrology AB

Inventors: Homer Eaton, Paul Ferrari

Priority Date: 20.11.2006

Country	Hexagon / EHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Parent Issue Date	Parent No.	Status
US	KZP-51563-US	Hexagon Metrology AB	20.11.2007	11/940,463	05.06.2009	US 2008/0127501	29.06.2010	US 7,743,524 B2	Patent in force
US	KZP-51563-US1	Hexagon Metrology AB	24.06.2010	12/622,940 (Continuation of US)	14.10.2010	US 2010/0257746 A1	13.09.2011	US 8,015,723 B2	Patent in force
US	KZP-51563-US2	Hexagon Metrology AB	23.08.2011	13/215,560 (Continuation of US1)	15.12.2011	US 2011/0302797 A1	25.12.2012	US 8,336,220 B2	Patent in force
AU	KZP-51563-AU	Hexagon Metrology AB	20.11.2007 (05.05.2009)	2007/323665	28.05.2009	AU 2007323665 A1	27.03.2014	AU 2007323665 B2	Patent in force
CA	KZP-51563-CA	Hexagon Metrology AB	20.11.2007 (15.05.2009)	2,669,878	06.10.2009	CA 2,669,878 A1			Application pending
EP	KIP-51563-EP	Hexagon Metrology AB	20.11.2007 (16.06.2009)	07864697.3	26.08.2009	EP 1 092 269 A2			Application pending
JP	KZP-51563-JP	Hexagon Metrology AB	20.11.2007 (21.07.2009)	2009-538502	02.04.2010	JP 2010-510527 A			Application pending

Expired applications:

US 647660.239 (KZP-51563-USP)
 PCT/US2007/085315 (KZP-51563-WO)

priority application
 national/regional stage entry in AU, CA, EP and JP

PATENT

REEL: 051801 FRAME: 0061

GLUJ - 2016-05-09

- 5 -

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology, Inc. / Oceanside

Patent Family: KZP-51565

1/14/2015

Patent Family: KZP-51565
Title: Coordinate Measuring Machine
Entity of Origin: Hexagon Metrology, Inc. / Oceanside, CA
Internal Reference: HEXAG-037
Applicant: Hexagon Metrology AB
Inventor: Paul Ferran
Priority Date: 28.09.2007

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51565-US	Hexagon Metrology AB	28.09.2007	11/664,392	02.04.2009	US 2009/0083985 A1	17.08.2010	US 7,774,949 B2	Patent in force

Hexagon Metrology AB (Owner) Entity of Origin: Hexagon Metrology, Inc. / Oceanside Patent Family: KZP-51566 1/14/2015

Patent Family: KZP-51566
 Title: Coordinate Measuring Machine with Vibration Detection
 Entity of Origin: Hexagon Metrology, Inc. / Oceanside, CA
 Internal Reference: HEXAG.051
 Applicant: Hexagon Metrology AB
 Inventor: Hagar Tait
 Priority Date: 30.06.2009

Country	Hexagon / KMP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51566-US	Hexagon Metrology AB	28.06.2010	12/825,185	30.12.2010	US 2010/0325907 A1	31.01.2012	US 8,104,189 B2	Patent in force
US	KZP-51566-US1	Hexagon Metrology AB	20.12.2011	13/331,974 (Continuation of US)	02.04.2012	US 2012/0084588 A1	17.07.2012	US 8,220,173 B2	Patent in force
AU	KZP-51566-AU	Hexagon Metrology AB	28.06.2010 (18.01.2012)	2010273749	09.03.2012	AU 2010273749 A1			Application pending
CA	KZP-51566-CA	Hexagon Metrology AB	28.06.2010 (23.12.2011)	2,766,906	13.03.2012	CA 2,766,906 A1			Application pending
CN	KZP-51566-CN	Hexagon Metrology AB	28.06.2010 (29.12.2011)	201080029447.1	23.05.2012	CN 102472652 A			Application pending
EP	KIP-51566-EP	Hexagon Metrology AB	28.06.2010 (25.01.2012)	10800275.9	09.05.2012	EP 2,449,353 A2			Application pending

Expired applications:

US 61/221,973 (KZP-51566-USP)
 PCT/US2010/0040248 (KZP-51566-WO)
 priority application
 national/regional stage entry in AU, CA, CN and EP

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology, Inc. / Oceanside

Patent Family: K2P-51567

1/14/2015

Patent Family: K2P-51567

Title: Computerized Apparatus and Method for Applying Graphics on Surfaces

Entity of Origin: Hexagon Metrology, Inc. / Oceanside, CA (acquired patent family)

Internal Reference: HEXAG.055

Applicant: Dreamscape Interiors, Inc.

Inventors: Robert Lynn Cannell, Alan Hudd, Richard Wilkinson, James Fox

Priority Date: 03.06.2003 * / 13.04.2007

Country	Hexagon / K2P Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	K2P-51567-US2	Hexagon Metrology AB	10.04.2008	12/106,988 * (CIF of US)	16.10.2008	US 2008/025267 A1	28.02.2012	US 8,123,350 B2	Patent in force
EP	K2P-51567-EP	Hexagon Metrology AB	11.04.2008 (12.11.2009)	08745573.9	06.01.2010	EP 2 139 697 A1	19.06.2013	EP 2 139 697 B1	European patent issued and nationally validated
CH/EP	K2P-51567-CH	Hexagon Metrology AB	11.04.2008	08745573.9	06.01.2010	EP 2 139 697 A1	19.06.2013	EP 2 139 697 B1	Patent in force
DE/EP	K2P-51567-DE	Hexagon Metrology AB	11.04.2008	08745573.9 (60 2008 025 439.9)	06.01.2010	EP 2 139 697 A1	19.06.2013	EP 2 139 697 B1 (DE 60 2008 025 439.9)	Patent in force
FR/EP	K2P-51567-FR	Hexagon Metrology AB	11.04.2008	08745573.9	06.01.2010	EP 2 139 697 A1	19.06.2013	EP 2 139 697 B1	Patent in force
GB/EP	K2P-51567-GB	Hexagon Metrology AB	11.04.2008	08745573.9	06.01.2010	EP 2 139 697 A1	19.06.2013	EP 2 139 697 B1	Patent in force
NL/EP	K2P-51567-NL	Hexagon Metrology AB	11.04.2008	08745573.9	06.01.2010	EP 2 139 697 A1	19.06.2013	EP 2 139 697 B1	Patent in force
SE/EP	K2P-51567-SE	Hexagon Metrology AB	11.04.2008	08745573.9	06.01.2010	EP 2 139 697 A1	19.06.2013	EP 2 139 697 B1 (SE 2 139 697 T3)	Patent in force

Expired applications:

US 60475 409

US 60911 711

PCT/US2008/059808

(K2P-51567-USP)

(K2P-51567-USF2)

(K2P-51567-WO)

priority application #1 - foreign patent / no Hexagon case

priority application #2

regional stage entry in EP

PATENT

REEL: 051801 FRAME: 0064

GLUJ - 2016-05-09

1/14/2015

Patent Family: K2P-51567

Entry of Origin: Hexagon Metrology, Inc. / Oceanside

Hexagon Metrology AB (Owner)

Further patent:

US 7,044,665 B2

(KPP-51567-US)

foreign patent / no Hexagon case

Lapsed application:

US 11/586,180

(KPP-51567-US1)

divisional of US -- foreign patent / no Hexagon case

- 9 -

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology, Inc. / Rhode Island

Patent Family: KZP-51779

1/14/2015

Patent Family: KZP-51779

Title: Validating the Error Map of a Coordinate Measuring Machine Using a Calibrated Probe

Entity of Origin: Hexagon Metrology, Inc. / North Kingstown, RI (Brown & Sharpe Division)

Internal Reference: B&S B1010.70012

Applicant: Hexagon Metrology AB

Inventor: Peter Hicks

Priority Date: 03.10.2007

Country	Hexagon / KHP Reference	Legal Owner (Registrant)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51779-US	Hexagon Metrology AB	03.10.2007	11/086,453	09.04.2009	US 2009/0290013 A1	11.05.2010	US 7,712,224 B2	Patent in force

Hexagon Metrology AB (Owner) Entity of Origin: Hexagon Metrology, Inc. / Rhode Island Patent Family: KZP-51780 1/14/2015

Patent Family: KZP-51780
Title: Hysteresis Compensation in a Coordinate Measurement Machine
Entity of Origin: Hexagon Metrology, Inc. / North Kingstown, RI (Brown & Sharpe Division)
Internal Reference: B&S E1010.70013
Applicant: Hexagon Metrology AB
Inventors: Richard MacManus, Bruce Pease
Priority Date: 22.12.2005

Country	Hexagon / EHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51780-US	Hexagon Metrology AB	22.12.2005	11/316,386	28.06.2007	US 2007/0144022 A1	31.07.2007	US 7,249,421 B2	Patent in force
US	KZP-51780-US1	Hexagon Metrology AB	14.06.2007	11/762,794 (Continuation of US)	11.06.2009	US 2009/0150108 A1	02.03.2010	US 7,669,344 B2	Patent in force
EP	KZP-51780-EP	Hexagon Metrology AB	21.12.2006	06256506.4	27.06.2007	EP 1 801 537 A2			Application pending

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology, Inc. / Rhode Island

Patent Family: KZP-51869

1/14/2015

Patent Family: KZP-51869

Title: Temperature Compensation System for a Coordinate Measuring Machine
Entity of Origin: Hexagon Metrology, Inc. / North Kingstown, RI (Brown & Sharpe Division)
Internal Reference: B&S B0917.70027

Applicant: Hexagon Metrology AB
Inventors: Wilhelmus Weekers, Jens Hupkau, David Payette
Priority Date: 09.09.2003

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51869-US	Hexagon Metrology AB	09.09.2003	10/657,903			14.12.2004	US 6,829,838 B1	Patent in force
US	KZP-51869-US1	Hexagon Metrology AB	06.12.2004	11/007,689 (Divisional of US)	12.05.2005	US 2005-007766 A1	13.06.2005	US 7,059,063 B2	Patent in force

Hexagon Metrology AB (Owner) Entity of Origin: Hexagon Metrology, Inc. / Rhode Island Patent Family: KZP-51873 1/14/2015

Patent Family: KZP-51873
Title: Bone Gage Head Assembly
Entity of Origin: Hexagon Metrology, Inc. / North Kingstown, RI (Brown & Sharpe Division)
Internal Reference: B&S B0918.70001
Applicant: Brown & Sharpe Manufacturing Co.
Inventors: Stephen Fouchier, Joseph Couture
Priority Date: 31.10.2000

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51873-US	Hexagon Metrology AB	31.10.2000	09702,403			10.12.2002	US 6,490,805 B1	Patent in force

Expired application:
PCT/IB2001/002223 (KZP-51873-WO) no national/regional stage entry

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology, Inc. / Rhode Island

Patent Family: KZP-51874

1/14/2015

Patent Family: KZP-51874

Title: Vibration Damper for Coordinate Measuring Machine

Entity of Origin: Hexagon Metrology, Inc. / North Kingstown, RI (Brown & Sharpe Division)

Internal Reference: S&S B1010.70009

Applicant: Brown & Sharpe Manufacturing Co.

Inventors: Paul Carrier, Richard MacManus

Priority Date: 27.01.1995

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51874-US	Hexagon Metrology AB	27.01.1995	08/379,882			16.07.1996	US 5,535,524 A	Patent in force, will expire shortly (27.01.2015)

Expired application:

PC17US1996/000175

(KZP-51874-WO)

regional stage entry in EP

Revoked patent:

EP 0 909 371 B1

(KZP-51874-EP)

nationally validated in DE, FR, GB and IT

Hexagon Metrology AB (Owner) Entity of Origin: Hexagon Metrology, Inc. / Rhode Island Patent Family: KZP-51876 1/14/2015

Patent Family: KZP-51876
Title: Temperature Compensation System for a Coordinate Measuring Machine
Entity of Origin: Hexagon Metrology, Inc. / North Kingstown, RI (Brown & Sharpe Division)
Internal Reference: B&S 81010.70014
Applicant: Hexagon Metrology AB
Inventors: Wilhelmus Weckers, Jens Hupkau, David Payette, John Langlais
Priority Date: 06.12.2005

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51876-US	Hexagon Metrology AB	06.12.2005	11/294,794			30.03.2007	US 7,191,541 B1	Patent in force

Expired application:

PCT/US2006/046294 (KZP-51876-WO) no national/regional stage entry

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51781

1/14/2015

Patent Family: KZP-51781

Title: Measurement Probe for Use in Coordinate Measuring Machines

Entity of Origin: Hexagon Metrology (Nordic) AB, Sweden

Internal Reference: not available

Applicant: Hexagon Metrology AB

Inventor: Bo Pettersson

Priority Date: 28.06.2004

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51781-SE	Hexagon Metrology AB	28.06.2004	0401660-6	29.12.2005	SE 200401660 L	31.01.2006	SE 527 248 C2	Patent in force
SE	KZP-51781-SE1	Hexagon Metrology AB	28.06.2004	0501311-5	29.12.2005	SE 200501311 L	14.02.2006	SE 517 331 C2	Patent in force
CN	KZP-51781-CN	Hexagon Metrology AB	28.06.2005	200580021832.0	13.02.2008	CN 101124452 A	26.08.2009	CN 100530583 C (21.200580021832.0)	Patent in force
CN	KZP-51781-CN1	Hexagon Metrology AB	28.06.2005	200580021590.5	08.08.2007	CN 101014836 A	31.12.2008	CN 100447523 C (21.200580021590.5)	Patent in force
EP	KZP-51781-EP	Hexagon Metrology AB	28.06.2005	05754094.0	28.03.2007	EP 1 766 325 A1			Application pending
EP	KZP-51781-EP1	Hexagon Metrology AB	28.06.2005	05754094.0	28.03.2007	EP 1 766 325 A1	29.05.2013	EP 1 766 325 B1	European patent issued and nationally validated
CH/EP	KZP-51781-CH1	Hexagon Metrology AB	28.06.2005	05754094.0	28.03.2007	EP 1 766 325 A1	29.05.2013	EP 1 766 325 B1	Patent in force
DE/EP	KZP-51781-DE1	Hexagon Metrology AB	28.06.2005	05754094.0 (60.2005.039.606.6)	28.03.2007	EP 1 766 325 A1	29.05.2013	EP 1 766 325 B1 (DE.60.2005.039.606.6)	Patent in force
ES/EP	KZP-51781-ES1	Hexagon Metrology AB	28.06.2005	05754094.0	28.03.2007	EP 1 766 325 A1	29.05.2013	EP 1 766 325 B1 (ES.2.425.863.T3)	Patent in force
FR/EP	KZP-51781-FR1	Hexagon Metrology AB	28.06.2005	05754094.0	28.03.2007	EP 1 766 325 A1	29.05.2013	EP 1 766 325 B1	Patent in force
GB/EP	KZP-51781-GB1	Hexagon Metrology AB	28.06.2005	05754094.0	28.03.2007	EP 1 766 325 A1	29.05.2013	EP 1 766 325 B1	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51781

1/14/2015

Country	Hexagon / KHP Reference	Legal Owner (Registrant)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
IT/EP	KZP-51781-IT1	Hexagon Metrology AB	20.06.2005	05754094.0	28.03.2007	EP 1 766 325 A1	29.05.2013	EP 1 766 325 B1 (IT TO2013 807454 T2)	Patent in force
SE/EP	KZP-51781-SE2	Hexagon Metrology AB	20.06.2005	05754094.0	28.03.2007	EP 1 766 325 A1	29.05.2013	EP 1 766 325 B1 (SE 1 766 325 T2)	Patent in force
JP	KZP-51781-JP1	Hexagon Metrology AB	20.06.2005 (27.12.2006)	2007-519156	14.02.2008	JP 2008-504555 A	23.06.2010	JP 4 466 682 B	Patent in force
JP	KZP-51781-JP2	Hexagon Metrology AB	20.06.2005 (17.12.2010)	2010-281742 (Divisional of JP1)	21.04.2011	JP 2011-081014 A			Application pending
US	KZP-51781-US	Hexagon Metrology AB	20.06.2005 (23.01.2007)	11/630 672	14.02.2008	US 2008/0204601 A1	10.03.2009	US 7,500,319 B2	Patent in force
US	KZP-51781-US1	Hexagon Metrology AB	20.06.2005 (27.12.2006)	11/630 671	20.11.2008	US 2009/0282564 A1	08.12.2009	US 7,627,956 B2	Patent in force

Expired applications:

PCT/SE2005/00957 (KZP-51781-W/O)
PCT/SE2005/00958 (KZP-51781-W/O1)

national/regional stage entry in CN, EP, JP and US
national/regional stage entry in CN, EP, JP and US

Lapsed application:

JP 2007-519155 (KZP-51781-JP)

- 17 -

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51782

1/14/2015

Patent Family: KZP-51782

Title: Measurement Arrangement with a Measurement Head in order to carry out Inspection Measurement

Entity of Origin: Hexagon Metrology (Nordic) AB, Sweden

Internal Reference: not available

Applicant: Hexagon Metrology AB

Inventor: Bo Petersson

Priority Date: 14.02.2008

Country	Hexagon / IHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publications Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51782-SE	Hexagon Metrology AB	14.02.2008	0800335-2	15.08.2009	SE 200800335 L	20.07.2010	SE 533 198 C2	Patent in force
EP	KZP-51782-EP	Hexagon Metrology AB	30.01.2009 (08.09.2010)	09709579.8	10.11.2010	EP 2 247 916 A1			Application pending
IN	KZP-51782-IN	Hexagon Metrology AB	30.01.2009 (15.07.2010)	5135/DELNP/2010	25.02.2011	IN 5135/DELNP/2010 D0			Application pending

Expired applications:

PCT/SE08/050095 (KZP-51782-WO)

national/regional stage entry in CN, EP, IN and US

Lapsed applications:

CN 200980103240.1

(KZP-51782-CN)

US 12/867,324

(KZP-51782-US)

Hexagon Metrology AB (Owner)

Entry of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51786

1/14/2015

Patent Family: KZP-51786
 Title: Coordinate Measuring Machine
 Entry of Origin: Hexagon Metrology (Nordic) AB, Sweden
 Internal Reference: not available
 Applicant: Hexagon Metrology AB
 Inventor: Bo Petersson
 Priority Date: 27 04 2004

Country	Hexagon / KHP Reference	Legal Owner (Registrar)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51786-SE	Hexagon Metrology AB	27 04 2004	0401085-6	28 10 2005	SE 0401085 L	28 02 2006	SE 527 421 C2	Patent in force
CN	KZP-51786-CN	Hexagon Metrology AB	14 04 2005 (25 10 2006)	300580013005.8	11 04 2007	CN 1 946 981 A	11 02 2009	CN 100460803 C (ZL 200580013005.8)	Patent in force
EP	KZP-51786-EP	Hexagon Metrology AB	14 04 2005 (13 11 2006)	05732009.5	14 02 2007	EP 1 731 489 A1			Application pending
JP	KZP-51786-JP	Hexagon Metrology AB	14 04 2005 (26 10 2006)	2007-510650	29 11 2007	JP 2007-534960 A			Application pending
US	KZP-51786-US	Hexagon Metrology AB	14 04 2005 (23 10 2006)	11/589,273	27 09 2007	US 2007/0220767 A1	22 09 2009	US 7,591,077 B2	Patent in force

Expired application:

PCT/SE2005/000540 (KZP-51786-WO)

national/regional stage entry in CN, EP, JP and US

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51787

1/14/2015

Patent Family: KZP-51787

Title: Coordinate Measuring Machine

Entity of Origin: Hexagon Metrology (Nordic) AB, Sweden

Internal Reference: n/a available

Applicant: Hexagon Metrology AB

Inventor: Bo Pettersson

Priority Date: 15.12.2004

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51787-SE	Hexagon Metrology AB	15.12.2004	0403044-1	16.06.2006	SE 0403044 L	04.07.2006	SE 527 899 Q2	Patent in force
CN	KZP-51787-CN	Hexagon Metrology AB	06.12.2005 (14.06.2007)	200580042697.3	28.11.2007	CN 101080607 A	25.03.2009	CN 100471171 C (21.200930042697.3)	Patent in force
EP	KZP-51787-EP	Hexagon Metrology AB	06.12.2005 (12.06.2007)	05812945.3	29.06.2007	EP 1 925 213 A1			Application pending
JP	KZP-51787-JP	Hexagon Metrology AB	06.12.2005 (14.06.2007)	2007-546601	10.07.2008	JP 2008-524580 A	30.03.2012	JP 4 960 481 B	Patent in force
US	KZP-51787-US	Hexagon Metrology AB	06.12.2005 (18.06.2007)	11/791,707	29.05.2008	US 2008-0120860 A1	07.04.2009	US 7,513,059 B2	Patent in force

Expired application:

PCT/SE2005/001842

(KZP-51787-WO)

national/regional stage entry in CN, EP, JP and US

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51788

1/14/2015

Patent Family: KZP-51788
Title: Method for Welding Work Pieces
Entity of Origin: Hexagon Metrology (Nordic) AB, Sweden
Internal Reference: not available
Applicant: Hexagon Metrology AB
Inventor: Bo Petersson
Priority Date: 05.07.2005

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
EP	KZP-51788-EP	Hexagon Metrology AB	04.07.2006 (15.01.2008)	06758098.5	19.03.2008	EP 1 899 104 A1			Application pending
IN	KZP-51788-IN	Hexagon Metrology AB	04.07.2006 (11.12.2007)	9559DELNP/2007	27.06.2008	IN 9559/DELNP/2007 D0			Application pending

Expired application:

PCT/SE06/050240

(KZP-51788-WO)

national/regional stage entry in CN, EP, IN, JP, KR and US

Lapsed applications:

SE 0501566-4

(KZP-51788-SE)

priority application

CN 200680024459.9

(KZP-51788-CN)

divisional of CN

CN 20110375522.6

(KZP-51788-CN1)

JP 2008-519238

(KZP-51788-JP)

KR 10-2008-7000711

(KZP-51788-KR)

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51789

1/14/2015

Patent Family: KZP-51789

Title: Measurement Method and Measuring Device for Use in Measurement Systems

Entity of Origin: Hexagon Metrology (Nordic) AB, Sweden

Internal Reference: not available

Applicant: Hexagon Metrology AB

Inventor: Bo Pettersson

Priority Date: 04.08.2005

Country	Hexagon / KHP Reference	Legal Owner (Registrant)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51789-SE	Hexagon Metrology AB	04.08.2005	0501777-7	05.02.2007	SE 0501777 L	20.11.2007	SE 529 780 C2	Patent in force
EP	KZP-51789-EP	Hexagon Metrology AB	03.08.2006 (15.01.2008)	0676655.9	16.04.2008	EP 1 910 772 A1			Application pending
IN	KZP-51789-IN	Hexagon Metrology AB	03.08.2006 (24.12.2007)	10053/DELNP/2007	20.06.2008	IN 10053/DELNP/2007 D0			Application pending
US	KZP-51789-US	Hexagon Metrology AB	03.08.2006 (16.01.2008)	11/995,822	21.08.2008	US 20080196260 A1	01.03.2011	US 7,895,761 E2	Patent in force

Expired application:

PCT/SE2006/050276

(KZP-51789-WO)

national/regional stage entry in CN, EP, IN, JP and US

Lapsed applications:

CN 200680003US 1.4

(KZP-51789-CN)

JP 2008-524943

(KZP-51789-JP)

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51790

1/14/2015

Patent Family: KZP-51790

Title: Method for Signal Processing of Capacitive Measurement Scales

Entity of Origin: Hexagon Metrology (Nordic) AB, Sweden

Internal Reference: not available

Applicant: Hexagon Metrology AB

Inventors: Carl-Erik Gustafsson, Steve Tveit Pedersen, Sven Johannessen

Priority Date: 14.10.2005

Country	Hexagon / KHP Reference	Legal Owner (Registered)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51790-SE	Hexagon Metrology AB	14.10.2005	0502272-8	15.04.2007	SE 0502272 L	12.06.2007	SE 529 249 C2	Patent in force
CN	KZP-51790-CN	Hexagon Metrology AB	03.10.2006 (14.04.2008)	20068038091.1	15.10.2008	CN 101287964 A	26.10.2011	CN 101287964 B (ZL 20068038091.1)	Patent in force
EP	KZP-51790-EP	Hexagon Metrology AB	03.10.2006 (24.04.2008)	06799829.4	16.07.2008	EP 1 943 482 A1			Application pending
IN	KZP-51790-IN	Hexagon Metrology AB	03.10.2006 (01.04.2008)	2709/DLENP/2008	25.07.2008	IN 2709/DLENP/2008 D0			Application pending
JP	KZP-51790-JP	Hexagon Metrology AB	03.10.2006 (11.04.2008)	2008-535494	19.03.2009	JP 2009-511903 A	11.04.2012	JP 4 914 899 B2	Patent in force
US	KZP-51790-US	Hexagon Metrology AB	03.10.2006	12089/914	04.12.2008	US 2009/030088 A1	07.06.2011	US 7,956,622 B2	Patent in force

Expired application:

PCT/SE2006/030369 (KZP-51790-WO)

national/regional stage entry in CN, EP, IN, JP and US

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Parent Family: KZP-51791

1/14/2015

Patent Family: KZP-51791

Title: Adjustment Device for a Measuring Probe

Entity of Origin: Hexagon Metrology (Nordic) AB, Sweden

Internal Reference: not available

Applicant: Hexagon Metrology AB

Inventor: Bo Pettersen

Priority Date: 17.11.2005

Country	Hexagon / KHP Reference	Legal Owner (Rightsholder)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51791-SE	Hexagon Metrology AB	17.11.2005	0502526-7	18.05.2007	SE 0502526 L	14.04.2009	SE 531 462 C2	Patent in force
CN	KZP-51791-CN	Hexagon Metrology AB	15.11.2006 (15.05.2008)	200580042539.X	19.11.2008	CN 101310162 A			Application pending
EP	KZP-51791-EP	Hexagon Metrology AB	15.11.2006 (28.05.2008)	06824543.0	30.07.2006	EP 1 949 028 A1			Application pending
IN	KZP-51791-IN	Hexagon Metrology AB	15.11.2006 (02.04.2008)	2753/D&L/NP/2006	25.07.2008	IN 2753/D&L/NP/2006 D0			Application pending
US	KZP-51791-US	Hexagon Metrology AB	15.11.2006 (14.05.2008)	124992.599	23.10.2008	US 2008/0256814 A1	29.03.2011	US 7,913,537 B2	Patent in force

Expired application:

PCT/SE2006/050474 (KZP-51791-WO)

national/regional stage entry in CN, EP, IN, JP and US

Lapsed application:

JP 2008-541122

(KZP-51791-JP)

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Patent Family: K2P-51792

1/14/2015

Patent Family: K2P-51792

Title: Method and Device for the Compensation of Geometrical Errors in Machining Machinery
Entity of Origin: Hexagon Metrology (Nordic) AB, Sweden
Internal Reference: not available

Applicant: Hexagon Metrology AB

Inventor: Bo Pettersson

Priority Date: 16.11.2006

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	K2P-51792-SE	Hexagon Metrology AB	16.11.2006	0602437-6	17.05.2008	SE 230502-437 L	06.07.2008	SE 530 573 C2	Patent in force
CN	K2P-51792-CN	Hexagon Metrology AB	16.11.2007 (05.05.2009)	200780041177.4	04.11.2009	CN 101573209 A	14.09.2011	CN 101573209 B (ZL 200780041177.4)	Patent in force
EP	K2P-51792-EP	Hexagon Metrology AB	16.11.2007 (01.06.2009)	07835438.8	09.09.2009	EP 2 097 214 A1			Application pending
IN	K2P-51792-IN	Hexagon Metrology AB	16.11.2007 (24.04.2009)	2718DELNP/4009	19.06.2009	IN 2718/DELNP/2009 D0			Application pending
US	K2P-51792-US	Hexagon Metrology AB	16.11.2007	12/514,151	18.02.2010	US 2010/0042246 A1	03.07.2012	US 8,214,080 B2	Patent in force

Expired application:

PCT/SE2007/050855 (K2P-51792-WO)

translational/regional stage entry in CN, EP, IN and US

Hexagon Metrology AB (Owner)

Entry of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51793

1/14/2015

Patent Family: KZP-51793

Title: Method and Device for the Compensation of Geometrical Errors in Machining Machinery

Entry of Origin: Hexagon Metrology (Nordic) AB, Sweden

Internal Reference: not available

Applicant: Hexagon Metrology AB

Inventor: Bo Pettersson

Priority Date: 21.12.2006

Country	Hexagon / KHP Reference	Legal Owner (Registrar)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51793-SE	Hexagon Metrology AB	21.12.2006	0602773-4	22.06.2008	SE 0602773 L	19.08.2008	SE 530 700 C2	Patent in force
CN	KZP-51793-CN	Hexagon Metrology AB	16.11.2007 (16.06.2009)	200780046580.2	02.12.2009	CN 101595373 A	14.09.2011	CN 101595373 B (ZL 200780046580.2)	Patent in force
EP	KZP-51793-EP	Hexagon Metrology AB	16.11.2007 (11.06.2009)	07835440.4	02.09.2009	EP 2 094 437 A1	30.04.2014	EP 2 094 437 B1	European patent issued and nationally validated
CH/EP	KIP-51793-CH	Hexagon Metrology AB	16.11.2007	07835440.4	02.09.2009	EP 2 094 437 A1	30.04.2014	EP 2 094 437 B1	Patent in force
DE/EP	KIP-51793-DE	Hexagon Metrology AB	16.11.2007	60 2007 036 411.6	02.09.2009	EP 2 094 437 A1	30.04.2014	EP 2 094 437 B1 (DE 60 2007 036 411.6)	Patent in force
FR/EP	KZP-51793-FR	Hexagon Metrology AB	16.11.2007	07835440.4	02.09.2009	EP 2 094 437 A1	30.04.2014	EP 2 094 437 B1	Patent in force
GB/EP	KZP-51793-GB	Hexagon Metrology AB	16.11.2007	07835440.4	02.09.2009	EP 2 094 437 A1	30.04.2014	EP 2 094 437 B1	Patent in force
NL/EP	KZP-51793-NL	Hexagon Metrology AB	16.11.2007	07835440.4	02.09.2009	EP 2 094 437 A1	30.04.2014	EP 2 094 437 B1	Patent in force
IN	KZP-51793-IN	Hexagon Metrology AB	16.11.2007 (04.06.2009)	3663/DELNP/2009	19.03.2010	IN 3663/DELNP/2009 D30			Application pending
US	KZP-51793-US	Hexagon Metrology AB	16.11.2007 (19.06.2009)	12/520,427	01.04.2010	US 2010/0078856 A1			Application pending

Expired application:

PCT/SE2007/050857 (KZP-51793-WO)

national/regional stage entry in CN, EP, IN and US

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology (Nordic) AB

Patent Family: KZP-51794

1/14/2015

Patent Family: KZP-51794

Title: Method and Device for Exact Measurement of Objects

Entity of Origin: Hexagon Metrology (Nordic) AB, Sweden

Internal Reference: not available

Applicant: Hexagon Metrology AB

Inventor: Bo Petersson

Priority Date: 03.04.2007

Country	Hexagon / RHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
CN	KZP-51794-CN	Hexagon Metrology AB	02.04.2008 (28.09.2009)	200880010347.7	03.03.2010	CN 101663559 A			Application pending
EP	KZP-51794-EP	Hexagon Metrology AB	02.04.2008 (12.10.2009)	08724325.9	16.12.2009	EP 2 130 523 A1			Application pending
IN	KZP-51794-IN	Hexagon Metrology AB	02.04.2008 (23.09.2009)	6106/DELNP/2009	14.05.2010	IN 6106/DELNP/2009 D0			Application pending
US	KZP-51794-US	Hexagon Metrology AB	02.04.2008 (01.10.2009)	12594.293	19.08.2010	US 2010/0308062 A1	30.07.2013	US 8,497,901 E2	Application pending Patent in force

Expired application:

PCT/SE2008/00379 (KZP-51794-WO)

national/regional stage entry in CN, EP, IN and US

Lapsed application:

SE 0700830-9

(KZP-51794-SE)

priority application

Hexagon Metrology AB (Owner)

Entity of Origin: C.E. Johansson AB

Patent Family: KZP-51775

1/14/2013

Patent Family: KZP-51775

Title: Method and Device for Testing a Machine Tool

Entity of Origin: C.E. Johansson AB, Sweden (acquired patent family)

Internal Reference: not available

Applicant: Scania CV AB

Inventor: Sven Hjelm

Priority Date: 29.12.1999

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51775-SE	C.E. Johansson AB	29.12.1999	9904837-3			26.02.2001	SE 514 469 C2	Patent in force
IT/EP	KZP-51775-IT	C.E. Johansson AB	19.12.2000	00569101.1	09.10.2002	EP 1 247 064 A1	27.12.2006	EP 1 247 064 B1 (IT TO2000 8000236 I2)	Patent in force
JP	KZP-51775-JP	C.E. Johansson AB	19.12.2000 (28.06.2002)	2001-549984	17.06.2003	JP 2003-519368 A	15.06.2011	JP 4 704 647 B	Patent in force
US	KZP-51775-US	Scania CV AB	19.12.2000 (27.06.2002)	10/169,299	19.12.2002	US 2002/0185379 A1	06.04.2004	US 6,715,572 B2	Patent in force

Expired application:

PCT/SE2000/002578

(KZP-51775-WO)

national/regional stage entry in EP, JP and US

Abandoned patents:

EP 1 247 064 B1

(KZP-51775-EP)

national parts in DE, FR and GB

US 6,725,735 B2

(KZP-51775-US1)

divisional of US

Hexagon Metrology AB (Owner)

Entity of Origin: C.E. Johansson AB

Patent Family: KZP-51783

1/14/2015

Patent Family: KZP-51783

Title: Device for Determining the Dimensions of a Three-Dimensional Object

Entity of Origin: C.E. Johansson AB, Sweden

Internal Reference: not available

Applicant: C.E. Johansson AB

Inventor: Bo Petersson

Priority Date: 09.01.1996

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51783-SE	Hexagon Metrology AB	09.01.1996	9600078-1			12.03.1997	SE 904 830 C2	Patent in force
EP	KZP-51783-EP	C.E. Johansson AB	20.12.1996 (24.06.1998)	96944721.8	09.12.1998	EP 0 882 209 A1	28.08.2002	EP 0 882 209 B1	European patent issued and nationally validated
DE/EP	KZP-51783-DE	C.E. Johansson AB	20.12.1996	696 23 335.5	09.12.1998	EP 0 882 209 A1	28.08.2002	EP 0 882 209 B1 (DE 696 23 335 T2)	Patent in force
FR/EP	KZP-51783-FR	C.E. Johansson AB	20.12.1996	96944721.8	09.12.1998	EP 0 882 209 A1	28.08.2002	EP 0 882 209 B1	Patent in force
GB/EP	KZP-51783-GB	C.E. Johansson AB	20.12.1996	96944721.8	09.12.1998	EP 0 882 209 A1	28.08.2002	EP 0 882 209 B1	Patent in force
US	KZP-51783-US	C.E. Johansson AB	20.12.1996 (02.07.1998)	09/101,166			12.03.2002	US 6,354,012 B1	Patent in force

Expired application:

PCT/SE1996/001730 (KZP-51783-WO)

national/regional stage entry in EP and US

Hexagon Metrology AB (Owner)

Entity of Origin: C.E. Johansson AB

Patent Family: KZP-51784

1/14/2015

Patent Family: KZP-51784
Title: Angle Transducer
Entity of Origin: C.E. Johansson AB, Sweden
Internal Reference: not available
Applicant: C.E. Johansson AB
Inventors: Bo Petersson, Carl-Erik Gustafsson
Priority Date: 04.09.2000

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51784-SE	Hexagon Metrology AB	04.09.2000	0003110-4	05.03.2002	SE 0003110 L	26.03.2002	SE 516 952 C2	Patent in force
EP	KZP-51784-EP	C.E. Johansson AB	20.08.2001 (17.03.2003)	01958794.8	25.06.2003	EP 1 520 723 A1			Application pending
JP	KZP-51784-JP1	C.E. Johansson AB	20.08.2001 (09.11.2007)	2007-291843 (Divisional of JP)	06.03.2008	JP 2008-051827 A	23.03.2012	JP 4 956 387 B	Patent in force
US	KZP-51784-US	C.E. Johansson AB	20.08.2001 (04.03.2003)	10/363,404	11.03.2004	US 2004/0046546 A1	06.09.2005	US 6,940,278 B2	Patent in force

Expired application:

PCT/SE2001/001773 (KZP-51784-WO) national/regional stage entry in EP, JP and US

Lapsed application:

JP 2002-525451 (KZP-51784-JP)

Hexagon Metrology AB (Owner)

Entity of Origin: C.E. Johansson AB

Patent Family: KZP-51785

1/14/2015

Patent Family: KZP-51785

Title: An Angular Position Measuring Equipment in Robotics, Determining the Angle of the Joints

Entity of Origin: C.E. Johansson AB, Sweden

Internal Reference: not available

Applicant: C.E. Johansson AB

Inventors: Bo Petersson, Carl-Erik Gustafsson

Priority Date: 04.09.2000

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
SE	KZP-51785-SE	Hexagon Metrology AB	04.09.2000	0003111-2	05.03.2002	SE 0003111 L	17.12.2002	SE 518 982 C2	Patent in force
EP	KZP-51785-EP	Hexagon Metrology AB	20.08.2001 (17.03.2003)	01961506.1	02.07.2003	EP 1 322 451 A1	07.05.2008	EP 1 322 451 B1	European patent issued and nationally validated
DE/EP	KZP-51785-DE	Hexagon Metrology AB	20.08.2001	601 33 909.6	02.07.2003	EP 1 322 451 A1	07.05.2008	EP 1 322 451 B1 (DE 601 33 909.6)	Patent in force
FR/EP	KZP-51785-FR	Hexagon Metrology AB	20.08.2001	01961506.1	02.07.2003	EP 1 322 451 A1	07.05.2008	EP 1 322 451 B1	Patent in force
GB/EP	KZP-51785-GB	Hexagon Metrology AB	20.08.2001	01961506.1	02.07.2003	EP 1 322 451 A1	07.05.2008	EP 1 322 451 B1	Patent in force
IT/EP	KZP-51785-IT	Hexagon Metrology AB	20.08.2001	01961506.1	02.07.2003	EP 1 322 451 A1	07.05.2008	EP 1 322 451 B1 (IT MI3008 8027727)	Patent in force
JP	KZP-51785-JP	C.E. Johansson AB	20.08.2001 (03.03.2003)	2002-524881	18.03.2004	JP 2004-508214 A	03.12.2010	JP 4 638 124 B	Patent in force
US	KZP-51785-US	C.E. Johansson AB	20.08.2001 (04.03.2003)	10/363,403	12.02.2004	US 2004/0027139 A1	13.09.2005	US 6,943,563 B2	Patent in force

Expired application:

PCT/SE2001/001774 (KZP-51785-WO) national/regional stage entry in EP, JP and US

Lapsed application:

JP 2006-296704 (KZP-51785-JP1) divisional of JP

Hexagon Metrology AB (Owner)

Entity of Origin: C.E. Johansson AB

Patent Family: KZP-52450

1/14/2015

Patent Family: KZP-52450
Title: Positioning Device
Entity of Origin: C.E. Johansson AB, Sweden
Internal Reference: not available
Applicant: C.E. Johansson AB
Inventor: Rudolf Wiklund
Priority Date: 20.03.1996

Country	Hexagon / EHP Reference	Legal Owner (Registers)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-52450-US	C.E. Johansson AB	19.03.1997 (16.09.1998)	09/142,858			23.01.2001	US 6,176,018 B1	Patent in force

Expired application:

PCT/SE1997/000456 (KZP-52450-WO) national/regional stage entry in EP, JP and US

Lapsed applications:

SE 9601069-9 (KZP-52450-SE)
JP 1997-533405 (KZP-52450-JP) priority application

Abandoned patents:

SE 906 713 C2 (KZP-52450-SE1)
EP 0 868 523 B1 (KZP-52450-EP) nationally validated in DE, FR, GB and IT

Hexagon Metrology AB (Owner)

Entity of Origin: Tesa SA, CH

Patent Family: KZP-51584

1/14/2015

Patent Family: KZP-51584

Title: Method of Using Multi-Axis Positioning and Measuring System

Entity of Origin: Tesa SA, Switzerland

Internal Reference: Tesa 130

Applicant: Hexagon Metrology AB

Inventors: Pascal Jordil, Bo Petersson, Knut Siercks, Klaus Schneider

Priority Date: 26.03.2007

Country	Hexagon / KHP Reference	Legal Owner (Region)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
EP	KZP-51584-EP	Hexagon Metrology AB	26.03.2007	07104932.4	01.10.2008	EP 1 975 546 A1	15.09.2010	EP 1 975 546 B1	European patent issued and nationally validated
CH/EP	KZP-51584-CH	Hexagon Metrology AB	26.03.2007	07104932.4	01.10.2008	EP 1 975 546 A1	15.09.2010	EP 1 975 546 B1	Patent in force
DE/EP	KZP-51584-DE	Hexagon Metrology AB	26.03.2007	60 2307 009 188.8	01.10.2008	EP 1 975 546 A1	15.09.2010	EP 1 975 546 B1 (DE 60 2007 009 188.8)	Patent in force
FR/EP	KZP-51584-FR	Hexagon Metrology AB	26.03.2007	07104932.4	01.10.2008	EP 1 975 546 A1	15.09.2010	EP 1 975 546 B1	Patent in force
GB/EP	KZP-51584-GB	Hexagon Metrology AB	26.03.2007	07104932.4	01.10.2008	EP 1 975 546 A1	15.09.2010	EP 1 975 546 B1	Patent in force
IT/EP	KZP-51584-IT	Hexagon Metrology AB	26.03.2007	07104932.4	01.10.2008	EP 1 975 546 A1	15.09.2010	EP 1 975 546 B1 (IT MI2010 8031171 T2)	Patent in force
CN	KZP-51584-CN	Hexagon Metrology AB	25.03.2008	200810087627.X	01.10.2008	CN 101275821 A	09.11.2011	CN 101275821 B (ZL 200810087627.X)	Patent in force
HK	KZP-51584-HK	Hexagon Metrology AB	25.03.2008 (09.12.2008)	08113397.6	03.07.2009	HK 1 124 110 A	15.05.2012	HK 1 124 110 B	Patent in force
JP	KZP-51584-JP	Hexagon Metrology AB	26.03.2008	2008-079545	09.10.2008	JP 2008-341714 A			Application to be abandoned
US	KZP-51584-US	Hexagon Metrology AB	13.03.2008	127047.635	02.10.2008	US 2008/0235949 A1	16.03.2010	US 7,676,942 B2	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Tesa SA, CH

Patent Family: KZP-51651

1/14/2015

Patent Family: KZP-51651
 Title: Oscillating Scanning Probe with Constant Contact Force
 Entity of Origin: Tesa SA, Switzerland
 Internal Reference: Tesa 131
 Applicant: Hexagon Metrology AB
 Inventors: Pascal Jordil, Bo Pettersen, Knut Siercks
 Priority Date: 03.04.2007

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
EP	KZP-51651-EP	Hexagon Metrology AB	03.04.2007	07105559.4	08.10.2008	EP 1 978 328 A1			Application pending
CN	KZP-51651-CN	Hexagon Metrology AB	03.04.2008	200810090086.6	08.10.2008	CN 101281011 A	05.12.2012	CN 101281011 B (ZL 200810090086.6)	Patent in force
HK	KZP-51651-HK	Hexagon Metrology AB	02.04.2008 (24.12.2008)	08113968.3	29.05.2009	HK 1 122 862 A	31.05.2013	HK 1 122 862 B	Patent in force
JP	KZP-51651-JP	Hexagon Metrology AB	03.04.2008	2008-096732	23.10.2008	JP 2008-256696 A			Application to be abandoned
US	KZP-51651-US	Hexagon Metrology AB	17.03.2008	12/040,757	09.10.2008	US 2008/0249737 A1	24.08.2010	US 7,779,553 B2	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Tesa SA, CH

Patent Family: KZP-51652

1/14/2015

Patent Family: KZP-51652
Title: Scanning Probe with Constant Scanning Speed
Entity of Origin: Tesa SA, Switzerland
Internal Reference: Tesa 132
Applicant: Hexagon Metrology AB
Inventors: Pascal Jordil, Bo Pettersson, Knut Siercke, William Wilcox
Priority Date: 18.04.2007

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
EP	KZP-51652-EP	Hexagon Metrology AB	18.04.2007	07106415.B	22.10.2008	EP 1 983 297 A1	07.04.2010	EP 1 983 297 B1	European patent issued and nationally validated
CH/EP	KZP-51652-CH	Hexagon Metrology AB	18.04.2007	07106415.B	22.10.2008	EP 1 983 297 A1	07.04.2010	EP 1 983 297 B1	Patent in force
DE/EP	KZP-51652-DE	Hexagon Metrology AB	18.04.2007	60 2007 005 778.7	22.10.2008	EP 1 983 297 A1	07.04.2010	EP 1 983 297 B1 (DE 60 2007 005 778.7)	Patent in force
FR/EP	KZP-51652-FR	Hexagon Metrology AB	18.04.2007	07106415.B	22.10.2008	EP 1 983 297 A1	07.04.2010	EP 1 983 297 B1	Patent in force
GB/EP	KZP-51652-GB	Hexagon Metrology AB	18.04.2007	07106415.B	22.10.2008	EP 1 983 297 A1	07.04.2010	EP 1 983 297 B1	Patent in force
CN	KZP-51652-CN	Hexagon Metrology AB	17.04.2008	200610096381.2	22.10.2008	CN 101290212 A	05.09.2012	CN 101290212 B (ZL 200610096381.2)	Patent in force
HK	KZP-51652-HK	Hexagon Metrology AB	17.04.2008	09100255.1	05.06.2009	HK 1 123 092 A	25.01.2013	HK 1 123 092 B	Patent in force
JP	KZP-51652-JP	Hexagon Metrology AB	17.04.2008	2006-107560	16.11.2008	JP 2008-268210 A	29.08.2014	JP 5 652 344 B2	Patent in force
US	KZP-51652-US	Hexagon Metrology AB	21.03.2008	12/053,164	23.10.2008	US 2008/0257023 A1	19.01.2010	US 7,647,706 B2	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Tesa SA, CH

Patent Family: KZP-51654

1/14/2015

Patent Family: KZP-51653

Title: Tool Rack for Coordinate Measuring Machine and Corresponding Tool

Entity of Origin: Tesa SA, Switzerland

Internal Reference: Tesa 133

Applicant: Hexagon Metrology AB

Inventors: Pascal Jordii, Benjamin Vuiloud

Priority Date: 05.12.2006

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
EP	KZP-51653-EP	Hexagon Metrology AB	05.12.2006	06125417.3	11.06.2008	EP 1 930 687 A1	23.06.2010	EP 1 930 687 B1	European patent issued and nationally validated
CH/EP	KZP-51653-CH	Hexagon Metrology AB	05.12.2006	06125417.3	11.06.2008	EP 1 930 687 A1	23.06.2010	EP 1 930 687 B1	Patent in force
DE/EP	KZP-51653-DE	Hexagon Metrology AB	05.12.2006	60 2006 015 071.7	11.06.2008	EP 1 930 687 A1	23.06.2010	EP 1 930 687 B1 (DE 60 2006 015 071.7)	Patent in force
FR/EP	KZP-51653-FR	Hexagon Metrology AB	05.12.2006	06125417.3	11.06.2008	EP 1 930 687 A1	23.06.2010	EP 1 930 687 B1	Patent in force
GB/EP	KZP-51653-GB	Hexagon Metrology AB	05.12.2006	06125417.3	11.06.2008	EP 1 930 687 A1	23.06.2010	EP 1 930 687 B1	Patent in force
CN	KZP-51653-CN	Hexagon Metrology AB	22.10.2007	200710194458.5	11.06.2008	CN 101196393 A	18.05.2011	CN 101196393 B (ZL 200710194458.5)	Patent in force
HK	KZP-51653-HK	Hexagon Metrology AB	22.10.2007 (15.10.2008)	08111406.7	13.03.2009	HK 1 119 763 A	28.10.2011	HK 1 119 763 B	Patent in force
JP	KZP-51653-JP	Hexagon Metrology AB	27.11.2007	2007-305551	26.06.2008	JP 2008-145433 A	08.02.2013	JP 5 192 787 B2	Patent in force
US	KZP-51653-US	Hexagon Metrology AB	05.06.2007	11/758,262	05.06.2008	US 2008/0132393 A1	17.09.2013	US 8,535,308 B2	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Tesa SA, CH

Patent Family: KZP-51654

1/14/2015

Patent Family: KZP-51654
Title: Coordinate Measuring Method and Device
Entity of Origin: Tesa SA, Switzerland
Internal Reference: Tesa 134
Applicant: Hexagon Metrology AB
Inventors: Pascal Jordil, Bo Petersson
Priority Date: 04.05.2007

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
EP	KZP-51654-EP	Hexagon Metrology AB	04.05.2007	07107540.2	05.11.2008	EP 1 988 357 A1			Application pending
CN	KZP-51654-CN	Hexagon Metrology AB	04.05.2008	200810092020.2	05.11.2008	CN 101298084 A			Application pending
HK	KZP-51654-HK	Hexagon Metrology AB	04.05.2008 (02.01.2009)	09100022.3	05.06.2009	HK 1 123 091 A			Application pending
US	KZP-51654-US	Hexagon Metrology AB	29.04.2008	12/111,630	06.11.2008	US 2008/0271332 A1	17.03.2009	US 7,503,125 B2	Patent in force

Lapsed application:

JP 2008-120061 (KZP-51654-JP)

Hexagon Metrology AB (Owner)

Entity of Origin: Tesa SA, CH

Patent Family: KZP-51655

1/14/2015

Patent Family: KZP-51655
 Title: Modular Calibration
 Entity of Origin: Tesa SA, Switzerland
 Internal Reference: Tesa 136
 Applicant: Hexagon Metrology AB
 Inventors: Bo Pettersson
 Priority Date: 26.09.2007

Country	Hexagon / KHP Reference	Legal Owner (Registrant)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
EP	KZP-51655-EP1	Hexagon Metrology AB	12.03.2008	08102554.6	01.04.2009	EP 2 042 829 A1	01.01.2014	EP 2 042 829 B1	European patent issued and nationally validated
CH/EP	KZP-51655-CH	Hexagon Metrology AB	12.03.2008	08102554.6	01.04.2009	EP 2 042 829 A1	01.01.2014	EP 2 042 829 B1	Patent in force
DE/EP	KZP-51655-DE	Hexagon Metrology AB	12.03.2008	60 3003 029 601.6	01.04.2009	EP 2 042 829 A1	01.01.2014	EP 2 042 829 B1 (DE 60 2008 029 601.6)	Patent in force
FR/EP	KZP-51655-FR	Hexagon Metrology AB	12.03.2008	08102554.6	01.04.2009	EP 2 042 829 A1	01.01.2014	EP 2 042 829 B1	Patent in force
GB/EP	KZP-51655-GB	Hexagon Metrology AB	12.03.2008	08102554.6	01.04.2009	EP 2 042 829 A1	01.01.2014	EP 2 042 829 B1	Patent in force
CN	KZP-51655-CN	Hexagon Metrology AB	25.09.2008	200810166398.0	06.05.2009	CN 101424526 A	24.07.2013	CN 101424526 B (ZL 200810166398.0)	Patent in force
HK	KZP-51655-HK	Hexagon Metrology AB	25.09.2008 (17.07.2009)	09106540.3	06.11.2009	HK 1 128 756 A	29.11.2013	HK 1 128 756 B	Patent in force
US	KZP-51655-US	Hexagon Metrology AB	09.09.2008	12/207,250	26.03.2009	US 2009/0082586 A1	16.10.2012	US 8,290,733 B2	Patent in force

Lapsed applications:

EP 07117240.7 (KZP-51655-EP)
 JP 2008-245102 (KZP-51655-JP)
 priority application

Hexagon Metrology AB (Owner)

Entity of Origin: Tesa SA, CH

Patent Family: KZP-51656

1/14/2015

Patent Family: KZP-51656
 Title: Self-Powered Measuring Probe
 Entity of Origin: Tesa SA, Switzerland
 Internal Reference: Tesa 137
 Applicant: Hexagon Metrology AB
 Inventors: Francois Cabelia, Pascal Jordil
 Priority Date: 24.04.2008

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
EP	KZP-51656-EP	Hexagon Metrology AB	24.04.2008	08155065.7	28.10.2009	EP 2 112 461 A1	24.10.2012	EP 2 112 461 B1	European patent issued and nationally validated
CH/EP	KZP-51656-CH	Hexagon Metrology AB	24.04.2008	08155065.7	28.10.2009	EP 2 112 461 A1	24.10.2012	EP 2 112 461 B1	Patent in force
DE/EP	KZP-51656-DE	Hexagon Metrology AB	24.04.2008	60 2008 019 559.7	28.10.2009	EP 2 112 461 A1	24.10.2012	EP 2 112 461 B1 (DE 60 2008 019 559.7)	Patent in force
FR/EP	KZP-51656-FR	Hexagon Metrology AB	24.04.2008	08155065.7	28.10.2009	EP 2 112 461 A1	24.10.2012	EP 2 112 461 B1	Patent in force
GB/EP	KZP-51656-GB	Hexagon Metrology AB	24.04.2008	08155065.7	28.10.2009	EP 2 112 461 A1	24.10.2012	EP 2 112 461 B1	Patent in force
CN	KZP-51656-CN	Hexagon Metrology AB	23.04.2009	200910203999.9	28.10.2009	CN 101564818 A	13.05.2012	CN 101564818 B (ZL 200910203999.9)	Patent in force
HK	KZP-51656-HK	Hexagon Metrology AB	23.04.2009 (11.01.2010)	10100256.7	18.06.2010	HK 1 135 940 A	16.11.2012	HK 1 135 940 B	Patent in force
US	KZP-51656-US	Hexagon Metrology AB	21.04.2009	12/427,501	29.10.2009	US 2009/0265946 A1	27.12.2011	US 8,082,674 B2	Patent in force

Lapsed application:

JP 2009-104592

(KZP-51656-JP)

Hexagon Metrology AB (Owner)

Entity of Origin: Tesa Metrology UK

Patent Family: KZP-51919

1/14/2015

Patent Family: KZP-51919
Title: Optical Surface Measurement Apparatus and Methods
Entity of Origin: Hexagon Metrology Ltd. (formerly Tesa Metrology Ltd.), United Kingdom
Internal Reference: BKS B1030.70000
Applicant: Brown & Sharpe Ltd.
Inventor: Janusz Andrew Veltze
Priority Date: 12.03.1997

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51919-US	Hexagon Metrology AB	11.03.1998	09/038,308			30.01.2001	US 6,181,422 B1	Patent in force

Lapsed applications:

GB 9705105 (KZP-51919-GB) priority application
EP 98301852.4 (KZP-51919-EP)

Hexagon Metrology AB (Owner)

Entity of Origin: Hexagon Metrology AB

Patent Family: KZP-51892

1/14/2015

Patent Family: KZP-51891
Title: Apparatus and Method for Dimensional Metrology
Entity of Origin: Wilcox Associates, Inc. / Neth Kingstown, RI
Internal Reference: Wilcox W0550.70000
Applicant: Hexagon Metrology AB
Inventors: Anthony Craggs, Charles Burbank, William Wilcox, Kenneth Woodbine
Priority Date: 17.10.2003

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51891-US	Hexagon	17.03.2003	10/687,861	21.04.2005	US 2005/0085940 A1	09.04.2013	US 8,417,370 B2	patent in force
US	KZP-51891-US2	Hexagon Metrology AB	08.03.2013	13/789,759	24.10.2013	US 2013/0282162 A1	02.09.2014	US 8,825,192 B2	patent in force

Lapsed applications:

US 11/566,807

(KZP-51891-US1)

continuation of US

Hexagon Metrology AB (Owner)

Entity of Origin: Romer FR

Patent Family: KZP-51559

1/14/2015

Patent Family: KZP-51688

Title: CONNECTION DEVICE RELATIVE WITH ARM OF HINGED 3-D MEASURING APPARATUS

Entity of Origin: Romer, FR

Internal Reference: Romer 8

Applicant: Hexagon Metrology AB

Inventors: Granger, Romain

Priority Date: 29-Oct-03

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
CN	KZP-51688	Hexagon Technology Center GmbH	29-10-2004	200410089895.7	04-05-2005	CN 1 611 913 A	17-09-2008	ZL 200410089895.7	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Romer US

Patent Family: KZP-51559

1/14/2015

Patent Family:

KZP-51558

Title: SPATIAL MEASURING DEVICE

Entity of Origin:

Romer US

Internal Reference:

Romer HEXAG 603

Applicant:

Hexagon Metrology AB

Inventors:

Eaton, Homer

Priority Date:

22.04.1997

Country	Hexagon / KZP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
BE	KZP-51558-BE	Hexagon Metrology AB	22.04.1997	97922439.1	10.02.1999	EP 0 895 574 A1	09.05.2012	EP 0 895 574 B1	Patent in force
CA	KZP-51558-CA	Hexagon Metrology AB	22.04.1997	2,252,481	30.10.1997	CA 2,252,481 A1	21.03.2006	CA 2,252,481 C	Patent in force
CH	KZP-51558-CH	Hexagon Technology Center GmbH	22.04.1997	97922439.1	10.02.1999	EP 0 895 574 A1	09.05.2012	EP 0 895 574 B1	Patent in force
DE	KZP-51558-DE	Hexagon Technology Center GmbH	22.04.1997	697 40 415.3	10.02.1999	EP 0 895 574 A1	09.05.2012	EP 0 895 574 B1	Patent in force
EP	KZP-51558-EP	Hexagon Metrology AB	22.04.1997	97922439.1	10.02.1999	EP 0 895 574 A1	09.05.2012	EP 0 895 574 B1	patent nationally validated
EP	KZP-51558-EP1	Hexagon Technology Center GmbH	22.04.1997	10183916.5	05.01.2011	EP 2 270 419 A1			application published
FR	KZP-51558-FR	Hexagon Metrology AB	22.04.1997	97922439.1	10.02.1999	EP 0 895 574 A1	09.05.2012	EP 0 895 574 B1	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Romer US

Patent Family: KZP-51558

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GB	KZP-51558-GB	Hexagon Metrology AB	22.04.1997	97922439.1	10.02.1999	EP 0 895 574 A1	09.05.2012	EP 0 895 574 B1	Patent in force
IT	KZP-51558-IT	Hexagon Metrology AB	22.04.1997	97922439.1	10.02.1999	EP 0 895 574 A1	09.05.2012	EP 0 895 574 B1	Patent in force
NL	KZP-51558-NL	Hexagon Metrology AB	22.04.1997	97922439.1	10.02.1999	EP 0 895 574 A1	09.05.2012	EP 0 895 574 B1	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Romer US

Patent Family: KZP-51559

1/14/2015

Patent Family:

KZP-51559

Title: METHOD FOR SPATIALLY LOCATING A TRIHEDRON

Entity of Origin: Romer US

Internal Reference: Romer 1 / 878

Applicant: Hexagon Metrology AB

Inventors: Eaton, Horner

Priority Date: 12.06.1995

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
BE	KZP-51559-BE	Hexagon Technology Center GmbH	12.06.1995	95919598.3	02.04.1997	EP 0 765 463 A1	10.05.2000	EP 0 765 463 B1	Patent in force
DE	KZP-51559-DE	Hexagon Technology Center GmbH	12.06.1995	695 16 871.1	02.04.1997	EP 0 765 463 A1	10.05.2000	EP 0 765 463 B1	Patent in force
EP	KZP-51559-EP	Hexagon Technology Center GmbH	12.06.1995	95919598.3	02.04.1997	EP 0 765 463 A1	10.05.2000	EP 0 765 463 B1	patent nationally validated
ES	KZP-51559-ES	Hexagon Technology Center GmbH	12.06.1995	95919598.3	02.04.1997	EP 0 765 463 A1	10.05.2000	EP 0 765 463 B1	Patent in force
FR	KZP-51559-FR	Hexagon Technology Center GmbH	17.06.1994	9407462	22.12.1995	FR 2 721 395 A	14.08.1996	FR 2 721 395 B	patent expired/abandoned
FR	KZP-51559-FR1	Hexagon Technology Center GmbH	12.06.1995	95919598.3	02.04.1997	EP 0 765 463 A1	10.05.2000	EP 0 765 463 B1	Patent in force
GB	KZP-51559-GB	Hexagon Technology Center GmbH	12.06.1995	95919598.3	02.04.1997	EP 0 765 463 A1	10.05.2000	EP 0 765 463 B1	Patent in force
IT	KZP-51559-IT	Hexagon Technology Center GmbH	12.06.1995	95919598.3	02.04.1997	EP 0 765 463 A1	10.05.2000	EP 0 765 463 B1	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Koner US

Patent Family: KZP-51558

1/14/2015

US	KZP-51559-US	Center GmbH	12.06.1995	68750,565		26.05.1998	US 5,757,499 A	Patent in force
		Hexagon Technology Center GmbH						

Hexagon Metrology AB (Owner)

Entity of Origin: Romar US

Patent Family: KZP-51560

1/14/2015

Parent Family:

KZP-51560

Title: SELF-LOADING SPATIAL REFERENCE POINT ARRAY

Entity of Origin:

Romar US

Internal Reference:

Romar HEXAG.015

Applicant:

Hexagon Metrology AB

Inventors:

Eaton, Romar

Priority Date:

17.04.2001

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
CN	KZP-51560-CN	Hexagon Technology Center GmbH	17.04.2002	02808404.7	08.12.2004	CN 1 554 011 A	09.05.2007	ZL 02808404.7	Patent in force
DE	KZP-51560-DE	Hexagon Technology Center GmbH	17.04.2002	02762147.3	25.02.2004	EP 1 390 688 A1	28.07.2010	EP 1 390 688 B1	Patent in force
EP	KZP-51560-EP	Hexagon Technology Center GmbH	17.04.2002	02762147.3	25.02.2004	EP 1 390 688 A1	28.07.2010	EP 1 390 688 B1	Patent in force
FR	KZP-51560-FR	Hexagon Technology Center GmbH	17.04.2002	02762147.3	25.02.2004	EP 1 390 688 A1	28.07.2010	EP 1 390 688 B1	Patent in force
GB	KZP-51560-GB	Hexagon Technology Center GmbH	17.04.2002	02762147.3	25.02.2004	EP 1 390 688 A1	28.07.2010	EP 1 390 688 B1	Patent in force
HK	KZP-51560-HK	Hexagon Technology Center GmbH	17.04.2002	05104499.3	26.08.2005	HK 1 072 463 A	07.09.2007	HK 1 072 463 B	Patent in force
JP	KZP-51560-JP	Hexagon Technology Center GmbH	17.04.2002	2002-581917	09.09.2004	JP 2004-527750 A	11.07.2007	JP 3 943 030 B	Patent in force

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Hexagon Menology AB (Owner)

Entity of Origin: Komer US

Patent Family: KZP-51553

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NL	KZP-51560-NL	Center GmbH Hexagon Technology Center GmbH	17.04.2003	02762147.3	25.02.2004	EP 1 390 688 A1	28.07.2010	EP 1 390 688 B1	Patent in force
US	KZP-51560-US	Hexagon Technology Center GmbH	17.04.2003	09836.954	10.04.2003	US 2003/0066202 A1	29.07.2003	US 6,598,306 B2	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Romer US

Patent Family: KZP-51562

1/14/2015

Patent Family: KZP-51561
Title: ARTICULATION MEASURING ARM HAVING ROTATABLE PART-CARRYING PLATEN
Entity of Origin: Romer US
Internal Reference: Romer HEXAG.017
Applicant: Hexagon Metrology AB
Inventors: Elson, Horner
Priority Date: 05.02.2003

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51561-US	Hexagon Technology Center GmbH	05.02.2003	10/361,126	05.02.2004	US 2004/0148791 A1	16.11.2004	US 6,817,108 B2	Patent in force

Hexagon Metrology AB (Owner)

Entity of Origin: Romer US

Patent Family: KZP-51562

1/14/2015

Patent Family: KZP-51562
Title: SPATIAL COORDINATE-BASED METHOD FOR IDENTIFYING WORK PIECES
Entity of Origin: Romer US
Internal Reference: Romer HEXAG.018
Applicant: Hexagon Metrology AB
Inventors: Eaton, Horner, Schueneman, Douglas P.
Priority Date: 15.04.2003

Country	Hexagon / KHP Reference	Legal Owner (Register)	Filing Date	Application No.	Publication Date	Publication No.	Patent Issue Date	Patent No.	Status
US	KZP-51562-US	Hexagon Technology Center GmbH	15.04.2003	16/417,420	21.10.2004	US 2004/0210553 A1	28.02.2006	US 7,003,892 B2	Patent in force

Lapsed applications:
US 11/357,442 (KZP-51562-US1)