

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Zimmer Technology, Inc.	02/23/2007
RECEIVING PARTY DATA	
Name:	Randall E. Marcus
Street Address:	837 Nashville Avenue
City:	New Orleans
State/Country:	LOUISIANA
Postal Code:	70115
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	4622959
CORRESPONDENCE DATA	
Fax Number:	(260)460-1700
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	260-424-8000
Email:	michelle.davis@bakerd.com
Correspondent Name:	Michael D. Schwartz/Michelle L. Davis
Address Line 1:	Baker & Daniels LLP
Address Line 2:	111 East Wayne Street, Suite 800
Address Line 4:	Fort Wayne, INDIANA 46802
ATTORNEY DOCKET NUMBER:	ZIM0098
NAME OF SUBMITTER:	Michael D. Schwartz
Total Attachments: 76 source=ZIMMERAMEND#page1.tif source=ZIMMERAMEND#page2.tif source=ZIMMERAMEND#page3.tif	

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PATENT
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AMENDMENT TO ASSIGNMENT OF U.S. PATENTS AND PATENT APPLICATIONS

WHEREAS, on June 28, 2002, Zimmer, Inc. ("Zimmer") and Zimmer Technology, Inc. ("ZTI") entered into an Assignment of U.S. Patents and Patent Applications (the "Assignment");

WHEREAS, pursuant to the Assignment, Zimmer assigned to ZTI all of Zimmer's interest in the patents and patent applications owned by Zimmer and listed on Exhibit A thereto ("Exhibit A");

WHEREAS, Exhibit A inadvertently and unintentionally listed U.S. Patent No. 4,622,959 (the "'959 Patent") as a patent transferred to ZTI, because the '959 Patent has never been owned by Zimmer;

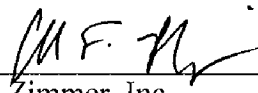
WHEREAS, Randall E. Marcus ("Marcus") has been, and continues to be, the owner of the '959 patent;

WHEREAS, Zimmer has been, and continues to be, an exclusive licensee under the '959 Patent, pursuant to a license agreement, dated August 1, 1988, entered into by and between Marcus and Zimmer ("Marcus License"); and

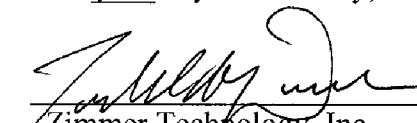
WHEREAS, Zimmer did not intend to transfer to ZTI any interest in the '959 Patent, including Zimmer's interests as a licensee under the Marcus License.

NOW, THEREFORE, pursuant to this Amendment, ZTI hereby transfers and assigns, and Zimmer hereby accepts the transfer and assignment of, any interests under the '959 patent, including but not limited to any interests under the Marcus License, ZTI may have acquired from Zimmer pursuant to the Assignment. Attached to this Amendment at Exhibit 1 is a copy of the Assignment corrected to delete the '959 Patent from Exhibit A. This Amendment and Exhibit 1 shall be recorded with the U.S. Patent and Trademark Office.

AGREED AS TO SUBSTANCE AND FORM this 23rd day of February, 2007.



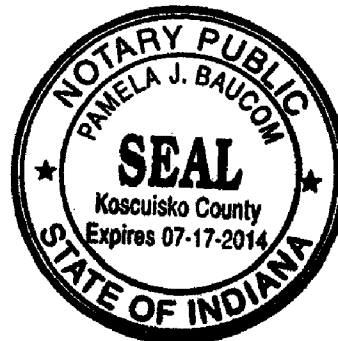
Zimmer, Inc.
Chad F. Phipps



Zimmer Technology, Inc.
Todd A. Dawson

Notary:





ASSIGNMENT OF U.S. PATENTS AND PATENT APPLICATIONS

Whereas, Zimmer, Inc., a corporation of the State of Delaware, having a principal place of business at 345 East Main Street, Warsaw, Indiana 46580, (hereinafter referred to as "Assignor") is the owner of the patents and patent applications listed on Exhibit A attached hereto.

Whereas, Zimmer Technology, Inc., a Delaware Corporation, having a principal place of business at 150 North Wacker Drive, Suite 1200, Chicago, Illinois 60606, (hereinafter referred to as "Assignee") is desirous of acquiring Assignor's interest in said patents and patent applications.

Now therefore, in consideration of the sum of One Dollar (\$1.00) paid to Assignor, and for other good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, Assignor does hereby assign, sell, transfer and set over as an additional capital contribution to Assignee all of Assignor's interest in said issued patents and pending patent applications, and in and to any continuations, continuations-in-part and reissues thereof. Assignor further agrees to execute any documents and to provide testimony and any assistance reasonably requested by Assignee to obtain patents for the pending patent applications, satisfy recordation requirements, or otherwise perfect transfer of title to said patents and patent applications.

This Assignment is effective as of the _____ day of _____, 2002.

ASSIGNOR

By: _____

Typed Name: _____

Title: _____

STATE OF INDIANA)

)SS:

COUNTY OF KOSCIUSKO)

28th Subscribed and sworn to before me, a Notary Public in and for said County and State this day of June, 2002.

ILA M. LINTON

Notary Public

(Printed Signature)

My Commission Expires: _____

A resident of _____ County

239333.DOC

ILA M. LINTON
Notary Public, State of Indiana
County of Kosciusko
My Commission Expires Jul 11, 2008

PATENT

REEL: 019000 FRAME: 0005

Thursday, June 06, 2002

Division:

Pending Patents

Page: 1

Case Number/Subcase

Case Type

Country

Application
Number/Date

Status

Publication Date

Attorney(s)

United States of America

10/095181
11-Mar-2002

Pending

DAW

zm9335/
ORD

Title: MODULAR HIP IMPLANTS

PATENT

REEL: 019000 FRAME: 0006

Thursday, June 06, 2002

Division: ZI

Zimmer - medical devices

Pending Patents

Page: 2

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
ZM0234C/ CPA	United States of America	08/916086 23-Apr-1999	Pending	DAW
<i>Title: METHOD OF MAKING AN ORTHOPAEDIC IMPLANT HAVING A POROUS METAL PAD</i>				
ZM0254A/C1 CON	United States of America	08/789405 29-Jan-1997	Pending	DAW
<i>Title: ORTHOPAEDIC IMPLANT SELECTION SYSTEM</i>				
ZM0306-/ ORD	United States of America	08/519213 25-Aug-1995	Pending	GER
<i>Title: PROSTHETIC IMPLANT WITH FINS</i>				
ZM0310B/D1 DIV	United States of America	09/593794 14-Jun-2000	Pending	REE WIL
<i>Title: METHOD OF MAKING AN ORTHOPAEDIC IMPLANT HAVING A POROUS SURFACE</i>				
ZM0314A/C1 CON	United States of America	08/881879 24-Jun-1997	Pending	REE
<i>Title: BONE CEMENT</i>				
ZM0325-/ DES	United States of America	29/052626 28-Mar-1996	Pending	GER
<i>Title: GROOVED PROXIMAL CENTRALIZER FOR A PROSTHETIC STEM</i>				
ZM0339-/D1 DIV	United States of America	09/606608 29-Jun-2000	Pending	REE
<i>Title: FOUR COMPARTMENT KNEE</i>				
ZM0369C/D1 DIV	United States of America	07/773409 09-Oct-1991	Pending	DAW
<i>Title: BEARING INSERT FOR A TIBIAL PLATEAU PROSTHESIS</i>				

PATENT

REEL: 019000 FRAME: 0007

Thursday, June 06, 2002

Pending Patents

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Division: Z1 Zimmer - medical devices

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
ZM0370A/D1 DIV	United States of America	07/773214 09-Oct-1991	Pending	DAW
<i>Title: METHOD OF ARTHROSCOPICALLY PREPARING AN ARTICULAR BONE SURFACE</i>				
ZM0376-I ORD	United States of America	08/999999 22-Nov-1997	Pending	DAW
<i>Title: ORTHOPAEDIC IMPLANT METHOD OF MAKING SAME</i>				
ZM0381-I ORD	United States of America	09/342324 28-Jun-1999	Pending	REE
<i>Title: NET SHAPED CROSSLINKED ARTICULATING BEARING SURFACE FOR AN ORTHOPAEDIC IMPLANT</i>				
ZM0391A/D1 DIV	United States of America	10/115,525 03-Apr-2002	Pending	WIL
<i>Title: ENHANCED FATIGUE STRENGTH ORTHOPAEDIC IMPLANT WITH POROUS COATING AND METHOD OF MAKING SAME</i>				
ZM0411/ ORD	United States of America	09/519690 07-Mar-2000	Pending	DAW WIL
<i>Title: CONTOURABLE POLYMER FILLED IMPLANT</i>				
ZM0413/ ORD	United States of America	09/520351 07-Mar-2000	Pending	DAW
<i>Title: POLYMER FILLED HIP FRACTURE FIXATION DEVICE</i>				

PATENT

REEL : 019000 FRAME: 0008

Thursday, June 06, 2002

Pending Patents

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Division: ZI

Zimmer - medical devices

Case Number/Subcase

Case Type

Country

Application
Number/Date

Status

Publication Date

Attorney(s)

ZM0414/
ORD

United States of America

09/558044

Pending

DAW

26-Apr-2000

Title: METHOD & APPARATUS FOR PERFORMING A MINIMALLY INVASIVE TOTAL HIP
ARTHROPLASTY MIS HIP

ZM0418/
ORD

United States of America

09/586079

Pending

REE

02-Jun-2000

WIL

Title: PLUG FOR A MODULAR ORTHOPAEDIC IMPLANT AND METHOD FOR ASSEMBLY

ZM0419/
ORD

United States of America

09/568695

Pending

REE

11-May-2000

Title: ORTHOPAEDIC INSTRUMENT FOR SIZING IMPLANT SITES AND FOR PRESSURIZING
BONE CEMENT AND A METHOD FOR USING THE SAME

ZM0424/
DES

United States of America

29/124202

Pending

DAW

01-Jun-2000

Title: BONE PLATE

ZM0425/
ORD

United States of America

09/689341

Pending

REE

12-Oct-2000

Title: BONE CLAMP

ZM0426/
ORD

United States of America

09/615217

Pending

REE

13-Jul-2000

Title: METHOD AND APPARATUS FOR DEBURRING MACHINED WORKPIECES

PATENT

REEL: 019000 FRAME: 0009

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Pending Patents

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Division: ZI Zimmer - medical devices

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
ZM0427/ ORD	United States of America	09/658701 08-Sep-2000	Pending	REE
<i>Title: STERILIZATION CASE</i>				
ZM0428/C1 CON	United States of America	09/708,404 08-Nov-2000	Pending	DAW
<i>Title: PATELLA RESURFACING APPARATUS AND RELATED PROCEDURES</i>				
ZM0429/ ORD	United States of America	09/660646 13-Sep-2000	Pending	REE
<i>Title: STERILIZATION CASE</i>				
ZM0430/ ORD	United States of America	09/686550 11-Oct-2000	Pending	REE
<i>Title: CONSTRAINED SOCKET FOR USE WITH A BALL AND SOCKET JOINT</i>				
ZM0431/ ORD	United States of America	09/770009 25-Jan-2001	Pending	REE
<i>Title: CONICAL REAMER SPACER</i>				
ZM0432/ ORD	United States of America	09/771061 29-Jan-2001	Pending	WIL
<i>Title: CONSTRAINED PROSTHETIC KNEE WITH ROTATING BEARING IMPROVEMENTS TO THE SALVAGE KNEE</i>				
ZM0435/ ORD	United States of America	09/792500 23-Feb-2001	Pending	REE
<i>Title: IMPROVED FEMORAL STEM WITH STRENGTHENING RIB ACETABULAR CUP INSERTER</i>				

PATENT

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Thursday, June 06, 2002

Pending Patents

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Division: ZI Zimmer - medical devices

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
ZM0439/ ORD	United States of America	09/939412 24-Aug-2001	Pending	DAW
<i>Title: BLADE PLATE AND INSTRUMENTS</i>				
ZM0440/ ORD	United States of America	09/885864 20-Jun-2001	Pending	DAW
<i>Title: METHOD AND APPARATUS FOR RESECTING A DISTAL FEMUR AND A PROXIMAL TIBIA IN PREPARATION FOR IMPLANTING A PARTIAL KNEE PROSTHESIS MIS UNI INSTRUMENTS</i>				
ZM0441/ ORD	United States of America	29/143836 20-Jun-2001	Pending	DAW
<i>Title: DESIGN FOR SPACER FOR ORTHOPAEDIC SURGERY</i>				
ZM0442/ PRI	United States of America	09/994 492 26-Nov-2001	Pending	DAW
<i>Title: LIGAMENTUM TERES FEMORIS CUTTER</i>				
ZM0443/C1 CIP	United States of America	09/992,639 Nov 6, 2001	Unfiled	DAW
<i>Title: METHOD AND APPARATUS FOR PERFORMING A MINIMALLY INVASIVE TOTAL HIP ARTHROPLASTY (CIP OF ZM-0414)</i>				
ZM0444/ DES	United States of America	29/151643 13-Nov-2001	Pending	DAW
<i>Title: BONE PLATE</i>				
ZM0445/ DES	United States of America	29/151551 13-Nov-2001	Pending	DAW
<i>Title: BONE PLATE</i>				

PATENT

REEL : 019000 FRAME: 0011

Pending Patents

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Division: ZI Zimmer - medical devices

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
ZM0446/ DES	United States of America <i>Title: BONE PLATE</i>	29/151525 13-Nov-2001	Pending	DAW
ZM0447/ DES	United States of America <i>Title: BONE PLATE</i>	29/151554 13-Nov-2001	Pending	DAW
ZM0448/ PRO	United States of America <i>Title: Synthesis of Orthopaedic Implant Materials</i>	60/335,326 02-Nov-2001	Pending	DAW
ZM0449/ DES	United States of America <i>Title: Bone Plate</i>	29/150474 16-Nov-2001	Pending	WIL
ZM0450/ DES	United States of America <i>Title: Bone Plate</i>	29/150,473 16-Nov-2001	Pending	WIL
ZM0451/ DES	United States of America <i>Title: bone plate</i>	29/150,472 16-Nov-2001	Pending	WIL
ZM0452/ DES	United States of America <i>Title: Bone Plate</i>	29/150,471 16-Nov-2001	Pending	WIL
zm0453/ DES	United States of America <i>Title: Bone Plate</i>	29/150,509 16-Nov-2001	Pending	WIL

PATENT

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Thursday, June 06, 2002

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Division: ZI

Zimmer - medical devices

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
ZM0455/ DES	United States of America <i>Title: Bone Plate</i>	29/151,551 13-Nov-2001	Pending	WIL,
ZM0456/ ORD	United States of America <i>Title: Bone Plate</i>	29/154,184 17-Jan-2002	Pending	WIL
ZM0458/ PRI	United States of America <i>Title: METHOD FOR MAKING AN IMPLANT HAVING A METALLIC POROUS SURFACE</i>	10/079,231 20-Feb-2002	Pending	WIL
ZM0460/ DES	United States of America <i>Title: ORTHOPAEDIC BONE PLATE</i>	29/159,702 26-Apr-2002	Pending	WIL
ZM9192A/ ORD	United States of America <i>Title: SPINAL SYSTEM</i>	07/219,389 15-Jul-1988	Pending	
ZM9204C/C1 CIP	United States of America <i>Title: SYSTEM FOR PERFORMING HIP PROSTHESIS REVISION SURGERY</i>	07/939,054 02-Sep-1992	Pending	SCH
ZM9221B/ REI	United States of America <i>Title: KNEE PROSTHESIS PROVISIONAL APPARATUS AND RESECTION GUIDE AND METHOD OF USE IN KNEE</i>	08/698,781 16-Aug-1996	Pending	SCH

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Division: ZI Zimmer - medical devices

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
ZM9223B/ REI	United States of America	07/191225 06-May-1988 <i>Title: BALL AND SOCKET BEARING FOR ARTIFICIAL JOINT</i>	Pending	SCH
ZM9223J/C1 CON	United States of America	07/485938 27-Feb-1990 <i>Title: BALL AND SOCKET BEARING FOR ARTIFICIAL JOINT</i>	Pending	SCH
ZM9223J/C1 CON	United States of America	07/485944 27-Feb-1990 <i>Title: BALL AND SOCKET BEARING FOR ARTIFICIAL JOINT</i>	Pending	SCH
ZM9246-/ ORD	United States of America	08/030722 12-Mar-1993 <i>Title: BONE PROSTHESIS AND METHOD OF IMPLANTING SAME</i>	Pending	SCH
ZM9252-/ ORD	United States of America	08/105649 13-Aug-1993 <i>Title: ACETABULAR CUP INSERTER FOR ORTHOPEDIC SURGERY</i>	Pending	DAW
ZM9255-/ ORD	United States of America	07/979615 20-Nov-1992 <i>Title: IMPROVED COLLAR FOR FEMORAL IMPLANT AND APPARATUS THEREOF</i>	Pending	GER
ZM9268-/ ORD	United States of America	08/467619 06-Jun-1995 <i>Title: PREPACKAGED LIQUID BONE CEMENT</i>	Pending	SCH
ZM9271-P1 PCT	United States of America	PCT/US93/0459 14-May-1993 <i>Title: METHOD AND APPARATUS FOR SIMPLIFYING TOTAL HIP ARTHIOPLASTY</i>	Pending	SCH

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Division: ZI Zimmer - medical devices

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
ZM9282A/D1 DIV	United States of America	09/115089 14-Jul-1998	Pending	DAW
<i>Title: SYSTEM AND METHOD FOR MIXING BONE CEMENT</i>				
ZM9290-/ ORD	United States of America	08/604868 22-Feb-1996	Pending	DAW
<i>Title: SURGICAL FASTENER DEVICE FOR USE IN BONE FRACTURE FIXATION</i>				
ZM9292-/ ORD	United States of America	08/638607 26-Apr-1996	Pending	DAW
<i>Title: SYSTEM FOR PERFORMING HIP PROSTHESIS REVISION SURGERY</i>				
ZM9297-/P1 PCT	United States of America	PCT/US92/0903 15-Dec-1992	Pending	DAW
<i>Title: SURGICAL REAMER</i>				
ZM9301A/C2 CIP	United States of America	08/726313 02-Oct-1996	Pending	REE
<i>Title: RADIATION AND MELT TREATED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE DEVICES</i>				
ZM9301A/C3 CON	United States of America	09/454,123 03-Dec-1999	Pending	REE
<i>Title: RADIATION AND MELT TREATED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE DEVICES</i>				
ZM9301B/C1 CIP	United States of America	08/798638 11-Feb-1997	Pending	REE
<i>Title: RADIATION AND MELT TREATED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE DEVICES</i>				

PATENT

REEL : 019000 FRAME: 0015

Thursday, June 06, 2002

Pending Patents

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Division: ZI Zimmer - medical devices

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
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ZM9301B/C2 CIP	United States of America	08/798638 11-Feb-1998	Pending	REE
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Title: RADIATION AND MELT TREATED ULTRA HIGH MOLECULAR WEIGHT
POLYETHYLENE DEVICES

ZM9301C/D1 DIV	United States of America	09/059,822 14-Apr-1998	Pending	REE
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Title: MELT-IRRADIATED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE PROSTHETIC
DEVICES

ZM9311/ ORD	United States of America	22-Feb-2002	Pending	DAW
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Title: LINKED CONDYLAR TOTAL KNEE REPLACEMENT

ZM9314/ ORD	United States of America	09/720972 03-Jan-2001	Pending	DAW
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Title: KNEE PROSTHESIS JELLYBEAN KNEE

PATENT

REF: 019000 FRAME: 0016

Thursday, June 06, 2002

Pending Patents

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Division: ZI Zimmer - medical devices

Case Number/Subcase Case Type	Country	Application Number/Date	Status Publication Date	Attorney(s)
ZM9316/ ORD	United States of America	09/575691 29-Jun-2000	Pending	DAW
<i>Title: INSTRUMENTS AND METHODS FOR USE IN PERFORMING KNEE SURGERY</i>				
ZM9318/ ORD	United States of America	09/767075 22-Jan-2001	Pending	REE
<i>Title: INTRAMEDULLARY NAIL</i>				
ZM9319/ ORD	United States of America	09/953,827 16-Feb-2001	Pending	DAW
<i>Title: METHOD AND APPARATUS FOR REMOVING AN ACETABULAR CUP</i>				
ZM9325/O1 ORD	United States of America	09/518,888 06-Mar-2000	Pending	DAW
<i>Title: MODULAR JOINT</i>				
ZM9328/ ORD	United States of America	09/805323 13-Mar-2001	Pending	DAW
<i>Title: HIP IMPLANT ASSEMBLY</i>				
ZM9339/ PRO	United States of America	09/937584 Oct 9, 2001	Unfiled	DAW
<i>Title: FEMORAL SAW GUIDE AND METHOD</i>				

PATENT

REEL - 019000 FRAME - 0017

Friday, June 07, 2002

Division: ZI

Zimmer - medical devices

Granted Patents

Page: 1

Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
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AS0018-/ ORD	United States of America	4830000 16-May-1989	Granted 31-Dec-2007	SCH
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Title: SURGICAL DRILL

PATENT

REEL - 019000 FRAME - 0018

Friday, June 07, 2002

Division: ZI

Zimmer - medical devices

Granted Patents

Page: 8

Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
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SN9013-/ ORD	United States of America	5554111 10-Sep-1996	Granted 16-Mar-2015	DAW
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Title: BONE CLEANING AND DRYING SYSTEM

Friday, June 07, 2002

Granted Patents

Page: 9

Division: ZI Zimmer - medical devices

Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
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SN9024-/ORD	United States of America	5799349 01-Sep-1998	Granted 07-Nov-2017	DAW
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Title: IMPROVED SURGICAL KNEE HOLDER

ZF0006B/C1 CON	United States of America	5543209 06-Aug-1996	Granted 11-Apr-2014	MAY
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Title: NOVEL SURFACE COATING FOR PROTHESIS SYSTEM

ZF0007A/C1 CON	United States of America	5571102 05-Nov-1996	Granted 14-Sep-2013	MAY
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Title: SYSTEM FOR SPINAL OSTEOSYNTHESIS

ZM0079-/ORD	United States of America	4474046 02-Oct-1984	Granted 18-Jun-2002	GER
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Title: ROD BENDER

ZM0080-/ORD	United States of America	4549538 29-Oct-1985	Granted 12-Nov-2002	GER
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Title: PIN INSERTER SHEATH

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Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
ZM0082A/C1 CON	United States of America <i>Title: BONE FIXATION PLATE</i>	4573458 04-Mar-1986	Granted 04-Mar-2003	GER
ZM0083A/C1 CON	United States of America <i>Title: PROSTHETIC DEVICE WITH SPACERS CONTINUING DATA-THIS APPLN IS A CONT. OF 473500 3-8-83</i>	4566138 28-Jan-1986	Granted 08-Mar-2003	GER
ZM0091-/ ORD	United States of America <i>Title: IMPLANT AND METHOD FOR PRODUCTION THEREOF</i>	4863475 05-Sep-1989	Granted 05-Sep-2006	SCH
ZM0092-/ ORD	United States of America <i>Title: COMPRESSION HIP SCREW</i>	4612920 23-Sep-1986	Granted 06-Nov-2004	DAW
ZM0096-/ DES	United States of America <i>Title: PROSTHETIC JOINT IMPLANT FOR A FINGER OR TOE OR THE LIKE</i>	D291731 01-Sep-1987	Granted 01-Sep-2001	GER
ZM0097-/ DES	United States of America <i>Title: SPINAL HOOK DISTRACTOR OR THE LIKE</i>	D291729 01-Sep-1987	Granted 01-Sep-2001	GER
ZM0101-/ ORD	United States of America <i>Title: BONE SCREW</i>	4640271 03-Feb-1987	Granted 07-Nov-2005	GER
ZM0101A/ REI	United States of America <i>Title: BONE SCREW</i>	RE.33348 25-Sep-1990	Granted 10-Jun-2008	GER

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ZM0102-/ ORD	United States of America	4718912 12-Jan-1988	Granted 12-Nov-2005	DAW
<i>Title: A FEMORAL COMPONENT AND THE METHOD OF CONSTRUCTING THE SAME</i>				
ZM0104-/ ORD	United States of America	4714470 22-Dec-1987	Granted 19-Feb-2006	GER
<i>Title: GROOVED PROSTHETIC IMPLANT</i>				
ZM0105A/ DES	United States of America	D364926 05-Dec-1995	Granted 05-Dec-2009	GER
<i>Title: GROOVED FEMORAL HIP STEM PROSTHESIS</i>				
ZM0106B/C/ CON	United States of America	4902297 20-Feb-1990	Granted 20-Feb-2007	SCH
<i>Title: COMPOSITE IMPLANT PROSTHESIS AND METHODS OF MANUFACTURING THE SAME "PRODUCT PATENT"</i>				
ZM0106C/D/ DIV	United States of America	4978360 18-Dec-1990	Granted 18-Dec-2007	SCH
<i>Title: METHOD OF MANUFACTURING A COMPOSITE IMPLANT PROSTHESIS</i>				
ZM0108A/ ORD	United States of America	4781181 01-Nov-1988	Granted 26-Aug-2006	DAW
<i>Title:</i>				
ZM0109-/ ORD	United States of America	4921493 01-May-1990	Granted 01-May-2007	GER
<i>Title: RASP TOOL</i>				

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Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
ZM0110-/ ORD	United States of America <i>Title: ACETABULAR CUP INSERTING INSTRUMENT</i>	4716894 05-Jan-1988	Granted 27-Aug-2006	GER
ZM0111-/ ORD	United States of America <i>Title: INSTRUMENT FOR INSERTING A LOCKING PIN</i>	4759352 26-Jul-1988	Granted 10-Nov-2006	SCH
ZM0112-/ DES	United States of America <i>Title: CENTERING CAP FOR A PROSTHETIC HIP STEM</i>	D339865 28-Sep-1993	Granted 28-Sep-2007	GER
ZM0113-/ ORD	United States of America <i>Title: INSTRUMENT FOR LOCATING A HOLE</i>	4969889 13-Nov-1990	Granted 13-Nov-2007	SCH
ZM0114-/ ORD	United States of America <i>Title: PROTHESIS WITH ENHANCED SURFACE FINISH</i>	4795472 03-Jan-1989	Granted 28-Jan-2007	GER
ZM0116-/ ORD	United States of America <i>Title: NAIL DEVICE</i>	4756307 12-Jul-1988	Granted 09-Feb-2007	DAW
ZM0118-/ ORD	United States of America <i>Title: FEMORAL COMPONENT FOR A HIP PROSTHESIS</i>	4813963 21-Mar-1989	Granted 24-Aug-2007	DAW
ZM0119A/C1 CON	United States of America <i>Title: PROSTHETIC IMPLANT WITH WRAPPED POROUS SURFACE</i>	5013324 07-May-1991	Granted 07-May-2008	GER

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ZM0119C/C1 CON	United States of America	5018285 28-May-1991	Granted 28-May-2008	GER
<i>Title: METHOD OF CONSTRUCTING PROSTHETIC IMPLANT WITH WRAPPED POROUS SURFACE</i>				
ZM0120-/ DES	United States of America	D339634 21-Sep-1993	Granted 21-Sep-2007	GER
<i>Title: ANATOMIC FEMORAL HIP STEM</i>				
ZM0122-/ ORD	United States of America	4795468 03-Jan-1989	Granted 23-Dec-2007	GER
<i>Title: LOCKING MECHANISM FOR A PROSTHETIC IMPLANT</i>				
ZM0124-/ ORD	United States of America	4917699 17-Apr-1990	Granted 16-May-2008	SCH
<i>Title: PROSTHETIC LIGAMENT</i>				
ZM0125A/C1 CON	United States of America	5219363 15-Jun-1993	Granted 15-Jun-2010	SCH
<i>Title: BONE IMPLANT</i>				
ZM0127-/ ORD	United States of America	5074864 24-Dec-1991	Granted 24-Dec-2008	GER
<i>Title: POSTERIOR SPINAL SYSTEM AND METHOD</i>				
ZM0127A/D1 DIV	United States of America	5201734 13-Apr-1993	Granted 26-May-2009	GER
<i>Title: SPINAL LOCKING SLEEVE ASSEMBLY</i>				
ZM0127B/D1 DIV	United States of America	5147359 15-Sep-1992	Granted 15-Sep-2009	GER
<i>Title: SPINAL HOOKBODY</i>				

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ZM0127C/D1 DIV	United States of America	5154718 13-Oct-1992	Granted 13-Oct-2009	GER
<i>Title: SPINAL COUPLER ASSEMBLY</i>				
ZM0127D/D1 DIV	United States of America	5116334 26-May-1992	Granted 26-May-2009	GER
<i>Title: POSTERIOR SPINAL SYSTEM AND METHOD</i>				
ZM0127E/D1 DIV	United States of America	5112332 12-May-1992	Granted 12-May-2009	GER
<i>Title: METHOD OF PERFORMING SPINAL SURGERY</i>				
ZM0128A/C1 CON	United States of America	5080674 14-Jan-1992	Granted 14-Jan-2009	GER
<i>Title: ATTACHMENT MECHANISM FOR SECURING AN ADDITIONAL PORTION TO AN IMPLANT</i>				
ZM0129-/ ORD	United States of America	4955885 11-Sep-1990	Granted 21-Dec-2008	GER
<i>Title: SURGICAL SLIDER INSTRUMENT AND METHOD OF USING INSTRUMENT</i>				
ZM0130-/ ORD	United States of America	4927425 22-May-1990	Granted 21-Dec-2008	GER
<i>Title: SURGICAL ROD PUSHER INSTRUMENT</i>				
ZM0131-/ ORD	United States of America	4959066 25-Sep-1990	Granted 24-Feb-2009	GER
<i>Title: FEMORAL OSTECTOMY GUIDE ASSEMBLY</i>				
ZM0132-/ ORD	United States of America	5015257 14-May-1991	Granted 20-Mar-2009	GER
<i>Title: PROSTHETIC INTERPOSITIONAL DEVICE/COUPLER</i>				

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ZM0132A/D1 DIV	United States of America	5066304 19-Nov-1991	Granted 20-Mar-2009	GER
<i>Title: PROSTHETIC INTERPOSITIONAL DEVICE/COUPLER</i>				
ZM0134-/ ORD	United States of America	4979957 25-Dec-1990	Granted 11-Sep-2009	GER
<i>Title: TEXTURED PROSTHETIC IMPLANT</i>				
ZM0135-/ ORD	United States of America	4963155 16-Oct-1990	Granted 30-Aug-2009	GER
<i>Title: ATTACHMENT MECHANISM FOR MODULAR SURGICAL PRODUCTS</i>				
ZM0138-/ ORD	United States of America	5089003 18-Feb-1992	Granted 22-Dec-2009	GER
<i>Title: RASP TOOL INCLUDING DETACHABLEHANDLE MEMBER</i>				
ZM0140-/ ORD	United States of America	4997445 05-Mar-1991	Granted 08-Dec-2009	GER
<i>Title: METAL-BACKED PROSTHETIC IMPLANT WITH ENHANCED BONDING OF POLYETHYLENE PORTION TO</i>				
ZM0142B/C1 CON	United States of America	5314491 24-May-1994	Granted 24-May-2011	DAW
<i>Title: PROSTHETIC SOCKET IMPLANT</i>				
ZM0143-/ ORD	United States of America	5057108 15-Oct-1991	Granted 12-Jan-2010	DAW
<i>Title: METHOD OF SURFACE FINISHING ORTHOPEDIC IMPLANT DEVICES</i>				

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ZM0146-/ ORD	United States of America <i>Title: PROSTHETIC GAUGE</i>	5070623 10-Dec-1991	Granted 02-May-2010	GER
ZM0147-/ ORD	United States of America <i>Title: SET OF PROVISIONAL PROSTHESIS INSTRUMENTATION</i>	5156626 20-Oct-1992	Granted 29-Jun-2010	GER
ZM0148-/ ORD	United States of America <i>Title: MODULAR INTRAMEDULLARY NAIL</i>	5122141 16-Jun-1992	Granted 30-Aug-2010	DAW
ZM0149-/ DES	United States of America <i>Title: SURGICAL IMPACTOR AND EXTRACTOR FOR PROSTHETIC IMPLANTS</i>	D337639 20-Jul-1993	Granted 20-Jul-2007	GER
ZM0150-/ DES	United States of America <i>Title: ACETABULAR CUP PROSTHESIS POSITIONING TOOL</i>	D331461 01-Dec-1992	Granted 01-Dec-2006	GER
ZM0151B/D1 DIV	United States of America <i>Title: ORTHOPAEDIC IMPLANT DEVICE</i>	5443512 22-Aug-1995	Granted 22-Aug-2012	DAW
ZM0152B/C1 CON	United States of America <i>Title: PROSTHETIC HIP STEM IMPLANT WITH TORQUE ADAPTER</i>	5171324 15-Dec-1992	Granted 05-Nov-2010	SCH
ZM0153-/ ORD	United States of America <i>Title: SAGGITAL APPROXIMATOR</i>	5020519 04-Jun-1991	Granted 07-Dec-2010	GER

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ZM0154-/ ORD	United States of America	5167662 01-Dec-1992	Granted 24-Jan-2012	DAW
<i>Title:</i> TEMPORARY CLAMP AND INSERTER FOR A POSTERIOR MIDLINE SPINALCLAMP				
ZM0155-/ DES	United States of America	D331625 08-Dec-1992	Granted 08-Dec-2006	GER
<i>Title:</i> COMBINED DRIVER AND HOLDER FOR SPINAL HOOKS OR SCREWS				
ZM0156A/D1 DIV	United States of America	5192323 09-Mar-1993	Granted 05-Nov-2010	SCH
<i>Title:</i> METHOD OF SURFACE HARDENING ORTHOPEDIC IMPLANT DEVICES				
ZM0156B/C1 CON	United States of America	5326362 05-Jul-1994	Granted 05-Jul-2011	DAW
<i>Title:</i> METHOD OF SURFACE HARDENING ORTHOPEDIC IMPLANT DEVICES				
ZM0157-/ ORD	United States of America	5129907 14-Jul-1992	Granted 10-Dec-2010	GER
<i>Title:</i> PATELLAR CLAMP AND REAMER WITH ADJUSTABLE STOP				
ZM0158-/ ORD	United States of America	5198308 30-Mar-1993	Granted 21-Dec-2010	GER
<i>Title:</i> METHOD OF BONDING TITANIUM POROUS SURFACE TO A COBALT-BASED ALLOY SUBSTRATE IN AN ORTHOPAEDIC IMPLANT DEVICE				
ZM0158A/D1 DIV	United States of America	5323954 28-Jun-1994	Granted 28-Jun-2011	GER
<i>Title:</i> METHOD OF BONDING A TITANIUM POROUS SURFACE TO A COBALT-BASED ALLOY SUBSTRATE IN AN ORTHOPAEDIC IMPLANT DEVICE				

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ZM0159-/ ORD	United States of America	5049150 17-Sep-1991	Granted 27-Dec-2010	DAW
<i>Title: A TOOL FOR GRIPPING A BONE FRAGMENT</i>				
ZM0160-/ ORD	United States of America	5148920 22-Sep-1992	Granted 18-Mar-2011	REE
<i>Title: PACKAGE AND PACKAGE INSERT</i>				
ZM0161-/ ORD	United States of America	5090371 25-Feb-1992	Granted 15-Mar-2011	REE
<i>Title: MEDICAL CONTAINER LINER</i>				
ZM0164-/ ORD	United States of America	5116380 26-May-1992	Granted 28-Feb-2011	DAW
<i>Title: PROSTHETIC IMPLANT WITH SPACERS HAVING TAPERED TRAILING EDGES</i>				
ZM0164A/C1 CON	United States of America	5163963 17-Nov-1992	Granted 28-Feb-2011	DAW
<i>Title: PROSTHETIC IMPLANT WITH SPACERS HAVING TAPERED TRAILING EDGES</i>				
ZM0165-/ ORD	United States of America	5124106 23-Jun-1992	Granted 25-Mar-2011	DAW WIL
<i>Title: FEMORAL RASP AND METHOD OF MAKING SAME</i>				
ZM0166-/ ORD	United States of America	5147406 15-Sep-1992	Granted 22-Apr-2011	DAW
<i>Title: FEMORAL COMPONENT FOR A KNEE JOINT PROSTHESIS HAVING A MODULAR CAM AND STEM</i>				

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ZM0166A/C1 CON	United States of America	5181925 26-Jan-1993	Granted 22-Apr-2011	DAW
<i>Title: FEMORAL COMPONENT FOR A KNEE JOINT PROSTHESIS HAVING A MODULAR AND CAM AND STEM.</i>				
ZM0167A/C1 CON	United States of America	5445640 29-Aug-1995	Granted 29-Aug-2012	DAW
<i>Title: TIBIAL RESECTOR GUIDE</i>				
ZM0167B/C1 CON	United States of America	5306276 26-Apr-1994	Granted 10-Dec-2011	DAW
<i>Title: TIBIAL RESECTOR GUIDE</i>				
ZM0167C/D1 DIV	United States of America	5451228 19-Sep-1995	Granted 19-Sep-2012	DAW
<i>Title: TIBIAL RESECTOR GUIDE</i>				
ZM0168-/ ORD	United States of America	5342362 30-Aug-1994	Granted 30-Aug-2011	DAW
<i>Title: SYSTEM AND INSTRUMENTATION FOR TORSIONALLY TESTING FEMORAL RASP AND HIP STEM IMPLANT INCLUDING MOTION INDICATOR</i>				
ZM0170-/ DES	United States of America	D340979 02-Nov-1993	Granted 02-Nov-2007	GER
<i>Title: STEM DRIVER INSTRUMENT FOR A FEMORAL HIP PROSTHESIS</i>				
ZM0170A/ DES	United States of America	D347689 07-Jun-1994	Granted 07-Jun-2008	GER
<i>Title: STEM DRIVER INSTRUMENT FOR A FEMORAL HIP PROSTHESIS</i>				

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ZM0171A/D1 DIV	United States of America	5437671 01-Aug-1995	Granted 01-Aug-2012	DAW
<i>Title: PERPENDICULAR ROD CONNECTOR FOR SPINAL FIXATION DEVICE</i>				
ZM0172-/ ORD	United States of America	5163964 17-Nov-1992	Granted 26-Jun-2011	GER
<i>Title: ORTHOPAEDIC PROSTHESIS WITH ACCESS RECESS IN COLLAR</i>				
ZM0175-/ ORD	United States of America	5156624 20-Oct-1992	Granted 06-Sep-2011	GER
<i>Title: HEAD ADAPTOR FOR HIP PROSTHESIS</i>				
ZM0176A/C1 CIP	United States of America	5167664 01-Dec-1992	Granted 26-Aug-2011	DAW
<i>Title: RATHETING BONE SCREW</i>				
ZM0177A/C1 CON	United States of America	5507829 16-Apr-1996	Granted 16-Apr-2013	REE
<i>Title: A SET OF FIXATION STEMS HAVING SIMILAR STIFFNES (AS AMENDED)</i>				
ZM0177B/C1 CON	United States of America	5702482 30-Dec-1997	Granted 19-Nov-2011	REE
<i>Title: A SET OF IMPLANT FIXATION STEMS EXHIBITING UNIFORM IMPLANTATION RESISTANCE</i>				
ZM0178-/ ORD	United States of America	5161404 10-Nov-1992	Granted 23-Oct-2011	GER
<i>Title: ROD BENDER</i>				

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ZM0179-/ ORD	United States of America	5178621 12-Jan-1993	Granted 10-Dec-2011	DAW
<i>Title: TWO PIECE RADIO-TRANSPARENT PROXIMAL TARGETING DEVICE FOR A LOCKING INTRAMEDULLARY NAIL</i>				
ZM0180-/ ORD	United States of America	5478341 26-Dec-1995	Granted 26-Dec-2012	DAW
<i>Title: RATCHET LOCK FOR AN INTRAMEDULLARY NAIL LOCKING BOLT</i>				
ZM0181-/ ORD	United States of America	5306277 26-Apr-1994	Granted 23-Dec-2011	DAW
<i>Title: MONOMER TRANSFER DEVICE</i>				
ZM0183-/ ORD	United States of America	5169401 08-Dec-1992	Granted 20-Dec-2011	GER
<i>Title: SURGICAL REAMER ASSEMBLY</i>				
ZM0184-/ ORD	United States of America	5344423 06-Sep-1994	Granted 06-Feb-2012	REE
<i>Title: APPARATUS AND METHOD FOR MILLING BONE</i>				
ZM0184A/C1 CIP	United States of America	5486180 23-Jan-1996	Granted 06-Feb-2012	REE
<i>Title: APPARATUS FOR MILLING BONE</i>				
ZM0185-/ ORD	United States of America	5653714 05-Aug-1997	Granted 22-Feb-2016	DAW
<i>Title: DUAL SLIDE CUTTING GUIDE</i>				
ZM0186-/ ORD	United States of America	5019079 28-May-1991	Granted 20-Nov-2009	SCI
<i>Title: BONE SCREW</i>				

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ZM0187-/ ORD	United States of America <i>Title: METHOD OF MAKING AN IMPLANT HAVING A METALLIC POROUS SURFACE</i>	5236457 17-Aug-1993	Granted 27-Feb-2012	REE
ZM0187B/C1 CON	United States of America <i>Title: IMPLANT HAVING A METALLIC POROUS SURFACE</i>	5571187 05-Nov-1996	Granted 05-Nov-2013	REE
ZM0188-/ ORD	United States of America <i>Title: ACETABULAR CUP WITH SHIFTABLE ELEVATED RIM LINER</i>	5171285 15-Dec-1992	Granted 18-Feb-2012	DAW
ZM0189-/ ORD	United States of America <i>Title: FRONT MILLING GUIDE FOR USE IN ORTHOPAEDIC SURGERY</i>	5207680 04-May-1993	Granted 11-May-2012	DAW
ZM0190-/ ORD	United States of America <i>Title: BONE CEMENT COMPOSITION AND METHOD OF MANUFACTURE</i>	5334626 02-Aug-1994	Granted 28-Jul-2012	REE
ZM0190A/C1 CIP	United States of America <i>Title: BONE CEMENT COMPOSITION</i>	5512610 30-Apr-1996	Granted 30-Apr-2013	REE
ZM0192-/ ORD	United States of America <i>Title: PROVISIONAL IMPLANT</i>	5326363 05-Jul-1994	Granted 14-Sep-2012	REE
ZM0193-/ ORD	United States of America <i>Title: RELEASABLE ORTHOPEDIC BROACH HANDLE APPARATUS</i>	4990149 05-Feb-1991	Granted 24-Jan-2009	DAW

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ZM0194-/ ORD	United States of America	5658293 19-Aug-1997	Granted 10-Oct-2015	DAW
<i>Title: GUIDE PLATFORM ASSOCIATED WITH INTRAMEDULLARY ROD</i>				
ZM0195-/ ORD	United States of America	5312405 17-May-1994	Granted 06-Jul-2012	DAW
<i>Title: SPINAL ROD COUPLER</i>				
ZM0196-/ ORD	United States of America	5281222 25-Jan-1994	Granted 30-Jun-2012	GER
<i>Title: SPINAL IMPLANT SYSTEM</i>				
ZM0196A/C1 CON	United States of America	5476462 19-Dec-1995	Granted 30-Jun-2012	GER
<i>Title: SPINAL IMPLANT SYSTEM</i>				
ZM0197A/C1 CON	United States of America	5462550 31-Oct-1995	Granted 31-Oct-2012	REE
<i>Title: ALIGNMENT GUIDE AND METHOD</i>				
ZM0198-/ ORD	United States of America	5275600 04-Jan-1994	Granted 05-Oct-2012	DAW
<i>Title: ROD TO ROD SPINAL COUPLER</i>				
ZM0199-/ ORD	United States of America	5364397 15-Nov-1994	Granted 01-Jun-2013	DAW
<i>Title: SPINAL COUPLER SEATER WITH DUAL JAWS AND AN INDEPENDENT PLUNGER</i>				
ZM0200-/ ORD	United States of America	5284483 08-Feb-1994	Granted 16-Sep-2012	GER
<i>Title: ACETABULAR CUP INSERTING INSTRUMENT</i>				

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ZM0201A/C1 CON	United States of America	5484440 16-Jan-1996	Granted 16-Jan-2013	GER
<i>Title: BONE SCREW SCREWDRIVER</i>				
ZM0202-/ ORD	United States of America	5360446 01-Nov-1994	Granted 18-Dec-2012	DAW
<i>Title: INTERACTIVE PROSTHESIS DESIGN SYSTEM FOR IMPLANTABLE PROSTHESIS</i>				
ZM0203-/ ORD	United States of America	5255838 26-Oct-1993	Granted 17-Dec-2012	DAW
<i>Title: METHOD OF PROVIDING A THREADED BORE IN A PROSTHETIC IMPLANT</i>				
ZM0204-/ ORD	United States of America	5308412 03-May-1994	Granted 15-Mar-2013	DAW
<i>Title: METHOD OF SURFACE HARDENING COBALT BASED ALLOYS FOR ORTHOPEDIC IMPLANT DEVICES</i>				
ZM0207-/ ORD	United States of America	5405396 11-Apr-1995	Granted 01-Jul-2013	REE
<i>Title: TIBIAL PROSTHESIS</i>				
ZM0209-/ ORD	United States of America	5251468 12-Oct-1993	Granted 14-Dec-2012	DAW
<i>Title: METHOD OF SURFACE FINISHING ORTHOPAEDIC IMPLANT DEVICES USING A BIOACTIVE BLASTING MEDIUM</i>				
ZM0210-/ ORD	United States of America	5387243 07-Feb-1995	Granted 23-Nov-2012	DAW
<i>Title: SET OF PROSTHETIC IMPLANTS AND METHOD FOR CONVERTING A CEMENTABLE IMPLANT TO A</i>				

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ZM0211-/ ORD	United States of America	5290313 01-Mar-1994	Granted 23-Nov-2012	GER
<i>Title: OFFSET PROSTHETIC STEM EXTENSION</i>				
ZM0213A/C1 CON	United States of America	5723011 03-Mar-1998	Granted 03-Mar-2015	DAW
<i>Title: PROSTHETIC IMPLANT AND METHOD OF MAKING SAME</i>				
ZM0215-/ ORD	United States of America	5358530 25-Oct-1994	Granted 29-Mar-2013	GER
<i>Title: MOBILE BEARING KNEE PRODUCT PATENT</i>				
ZM0217-/ ORD	United States of America	5307594 03-May-1994	Granted 14-Dec-2012	DAW
<i>Title: METHOD FOR FORMING TEXTURED SURFACES ON AN ORTHOPAEDIC IMPLANT</i>				
ZM0218-/ ORD	United States of America	5344461 06-Sep-1994	Granted 12-Feb-2013	DAW
<i>Title: MODULAR IMPLANT PROVISIONAL PRODUCT PATENT</i>				
ZM0220-/ ORD	United States of America	5443510 22-Aug-1995	Granted 06-Apr-2013	DAW
<i>Title: POROUS COATED IMPLANT AND METHOD OF MAKING SAME</i>				
ZM0221-/ ORD	United States of America	5250051 05-Oct-1993	Granted 08-Feb-2013	DAW
<i>Title: ACETABULAR CUP POSITIONER WITH SLAPHAMMER MECHANISM FOR THE REMOVAL OF THE SIGHTING GUIDE</i>				
ZM0222-/ ORD	United States of America	5324292 28-Jun-1994	Granted 10-Feb-2013	GER
<i>Title: FRACTURE FIXATION ASSEMBLY WITH SELECTIVELY REMOVABLE PROTRUSION</i>				

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ZM0223-/ DES	United States of America	D346979 17-May-1994	Granted 17-May-2008	DAW
<i>Title: BONE MILLING TEMPLATE</i>				
ZM0224A/C1 CON	United States of America	5383938 24-Jan-1995	Granted 12-Feb-2013	DAW
<i>Title: LOCKING RING FOR AN ACETABULAR CUP</i>				
ZM0225-/ DES	United States of America	D357315 11-Apr-1995	Granted 11-Apr-2009	DAW
<i>Title: BONE MILLING TEMPLATE</i>				
ZM0226-/ ORD	United States of America	5472445 05-Dec-1995	Granted 20-Sep-2013	DAW
<i>Title: DEVICE FOR MINIMIZING POROSITY IN BONE CEMENT UTILIZING CENTRIFUGATION AND VACUUM</i>				
ZM0227-/ ORD	United States of America	5908424 01-Jun-1999	Granted 01-Jun-2016	DAW
<i>Title: TIBIAL MILLING GUIDE SYSTEM</i>				
ZM0228-/ ORD	United States of America	5549685 27-Aug-1996	Granted 23-Feb-2014	REE
<i>Title: AUGMENTATION FOR AN ORTHOPAEDIC IMPLANT</i>				
ZM0229-/ ORD	United States of America	5309648 10-May-1994	Granted 15-Apr-2013	GER
<i>Title: ORTHOPAEDIC GAUGE</i>				
ZM0230-/ DES	United States of America	D345928 12-Apr-1994	Granted 12-Apr-2008	GER
<i>Title: ORTHOPAEDIC GAUGE</i>				

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ZM0233-/ ORD	United States of America	5443518 22-Aug-1995	Granted 20-Jul-2013	REE
<i>Title: KNEE POSITION INDICATOR</i>				
ZM0233A/C1 CON	United States of America	5571197 03-Nov-1996	Granted 20-Jul-2013	REE
<i>Title: KNEE POSITION INDICATOR</i>				
ZM0234-/ ORD	United States of America	5504300 02-Apr-1996	Granted 18-Apr-2014	DAW
<i>Title: ORTHOPAEDIC IMPLANT AND METHOD OF MAKING SAME</i>				
ZM0234A/D1 DIV	United States of America	5672284 30-Sep-1997	Granted 18-Apr-2014	DAW
<i>Title: ORTHOPAEDIC IMPLANT AND METHOD OF MAKING SAME</i>				
ZM0234B/C1 CIP	United States of America	5773789 30-Jun-1998	Granted 18-Apr-2014	DAW
<i>Title: METHOD OF MAKING AN ORTHOPAEDIC IMPLANT HAVING A POROUS METAL PAD</i>				
ZM0234C/C1 CIP	United States of America	6049054 11-Apr-2000	Granted 18-Apr-2014	DAW
<i>Title: METHOD OF MAKING AN ORTHOPAEDIC IMPLANT HAVING A POROUS METAL PAD</i>				
ZM0234D/D1 DIV	United States of America	5973222 26-Oct-1999	Granted 18-Apr-2014	DAW
<i>Title: METHOD OF MAKING AN ORTHOPAEDIC IMPLANT HAVING A POROUS METAL PAD</i>				
ZM0235A/D1 DIV	United States of America	5534027 09-Jul-1996	Granted 09-Jul-2013	GER
<i>Title: METHOD FOR PROVIDING A BARRIER TO THE ADVANCEMENT OF WEAR DEBRIS IN AN ORTHOPAEDIC IMPLANT ASSEMBLY</i>				

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ZM0235B/C1 CON	United States of America	5534032 09-Jul-1996	Granted 09-Jul-2013	GER
<i>Title: ORTHOPAEDIC IMPLANT ASSEMBLY</i>				
ZM0236-/ ORD	United States of America	5326376 05-Jul-1994	Granted 23-Aug-2013	DAW
<i>Title: FEMORAL STEM PROSTHESIS</i>				
ZM0237-/ ORD	United States of America	5549686 27-Aug-1996	Granted 06-Jun-2014	REE
<i>Title: KNEE PROSTHESIS HAVING A TAPERED CAM (AS AMENDED)</i>				
ZM0238-/ ORD	United States of America	5476466 19-Dec-1995	Granted 20-Jul-2013	GER
<i>Title: ORTHOPAEDIC POSITIONING INSTRUMENT</i>				
ZM0239A/C1 CIP	United States of America	5474559 12-Dec-1995	Granted 06-Jul-2013	DAW
<i>Title: FEMORAL MILLING INSTRUMENTATION FOR USE IN TOTAL KNEE ARTHROPLASTY WITH OPTIONAL CUTTING GUIDE ATTACHMENT</i>				
ZM0239E/D1 DIV	United States of America	5853415 29-Dec-1998	Granted 06-Jul-2013	DAW
<i>Title: FEMORAL MILLING INSTRUMENTATION FOR USE IN TOTAL KNEE ARTHROPLASTY WITH OPTIONAL CUTTING GUIDE ATTACHMENT</i>				
ZM0239H/C1 CON	United States of America	5743915 28-Apr-1998	Granted 06-Jul-2013	DAW
<i>Title: FEMORAL MILLING INSTRUMENTATION FOR USE IN TOTAL KNEE ARTHROPLASTY WITH OPTIONAL CUTTING GUIDE ATTACHMENT</i>				

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ZM02391-/C1 CON	United States of America	5769855 23-Jun-1998	Granted 06-Jul-2013	DAW
<i>Title: FEMORAL MILLING INSTRUMENTATION FOR USE IN TOTAL KNEE ARTHROPLASTY WITH OPTIONAL CUTTING GUIDE ATTACHMENT</i>				
ZM02391-/C1 CON	United States of America	5860981 19-Jan-1999	Granted 06-Jul-2013	DAW
<i>Title: FEMORAL MILLING INSTRUMENTATION FOR USE IN TOTAL KNEE ARTHROPLASTY WITH OPTIONAL CUTTING GUIDE ATTACHMENT</i>				
ZM0240-/ DES	United States of America	D357534 18-Apr-1995	Granted 18-Apr-2009	GER
<i>Title: SURGICAL PARALLEL DRILL GUIDE INSTRUMENT</i>				
ZM0241-/ DES	United States of America	D354810 24-Jan-1995	Granted 24-Jan-2009	GER
<i>Title: SURGICAL PARALLEL DRILL GUIDE</i>				
ZM0242-/ ORD	United States of America	5364403 15-Nov-1994	Granted 20-Sep-2013	DAW
<i>Title: ACETABULAR CUP POSITIONER</i>				
ZM0244-/ DES	United States of America	D359557 20-Jun-1995	Granted 20-Jun-2009	REE
<i>Title: ORTHOPAEDIC DRILL GUIDE</i>				
ZM0245-/ DES	United States of America	D368777 09-Apr-1996	Granted 09-Apr-2010	GER
<i>Title: ORTHOPAEDIC WASHER HAVING A SPIKED AND GROOVED UNDERSURFACE</i>				

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ZM0245A/ DES	United States of America	D374482 08-Oct-1996	Granted 08-Oct-2010	GER
<i>Title: ORTHOPAEDIC WASHER HAVING A SPIKED AND GROOVED UNDERSURFACE</i>				
ZM0245B/ DES	United States of America	D374287 01-Oct-1996	Granted 01-Oct-2010	GER
<i>Title: ORTHOPAEDIC WASHER HAVING A SPIKED AND GROOVED UNDERSURFACE</i>				
ZM0245C/ DES	United States of America	D374286 01-Oct-1996	Granted 01-Oct-2010	GER
<i>Title: ORTHOPAEDIC WASHER HAVING A SPIKED AND GROOVED UNDERSURFACE</i>				
ZM0245D/ DES	United States of America	D375791 19-Nov-1996	Granted 19-Nov-2010	GER
<i>Title: ORTHOPAEDIC WASHER HAVING A SPIKED AND GROOVED UNDERSURFACE</i>				
ZM0246-/ DES	United States of America	D363545 24-Oct-1995	Granted 24-Oct-2009	DAW
<i>Title: A JAW PORTION OF COMPRESSION CLAMP FORCEPS</i>				
ZM0249-/ DES	United States of America	D355254 07-Feb-1995	Granted 07-Feb-2009	DAW
<i>Title: BONE CUTTING GUIDE</i>				
ZM0251-/ ORD	United States of America	5391181 21-Feb-1995	Granted 22-Oct-2013	GER
<i>Title: ORTHOPAEDIC HOLDING FORCEPS</i>				
ZM0252-/ ORD	United States of America	5472415 05-Dec-1995	Granted 26-Apr-2014	GER
<i>Title: DISPOSABLE PROVISIONAL INSTRUMENT COMPONENT FOR EVALUATING THE FIT OF AN ORTHOPAEDIC IMPLANT</i>				

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ZM0252A/D1 DIV	United States of America	5522897 04-Jun-1996	Granted 26-Apr-2014	GER
<i>Title: DISPOSABLE PROVISIONAL INSTRUMENT COMPONENT FOR EVALUATING THE FIT OF AN ORTHOPAEDIC IMPLANT</i>				
ZM0253-/ DES	United States of America	D360686 25-Jul-1995	Granted 25-Jul-2009	DAW
<i>Title: DESIGN FOR A HIP STEM EXTRACTION TOOL</i>				
ZM0255-/ ORD	United States of America	5484446 16-Jan-1996	Granted 27-Jun-2014	DAW
<i>Title: ALIGNMENT GUIDE FOR USE IN ORTHOPAEDIC SURGERY</i>				
ZM0256-/ ORD	United States of America	5387241 07-Feb-1995	Granted 28-Jan-2014	GER
<i>Title: RIBBED AUGMENT FOR A PROSTHETIC IMPLANT</i>				
ZM0257-/ DES	United States of America	D365396 19-Dec-1995	Granted 19-Dec-2009	GER
<i>Title: RIBBED AUGMENT FOR A PROSTHETIC IMPLANT</i>				
ZM0257A/ DES	United States of America	D373825 17-Sep-1996	Granted 17-Sep-2010	GER
<i>Title: RIBBED AUGMENT FOR A PROSTHETIC IMPLANT</i>				
ZM0257B/ DES	United States of America	D369863 14-May-1996	Granted 14-May-2010	GER
<i>Title: RIBBED AUGMENT FOR A PROSTHETIC IMPLANT</i>				
ZM0258-/ DES	United States of America	D362503 19-Sep-1995	Granted 19-Sep-2009	GER
<i>Title: OFFSET ADAPTOR FOR AN ORTHOPAEDIC DRIVER INSTRUMENT</i>				

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Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
ZM0259-/ DES	United States of America	D385352 21-Oct-1997 <i>Title: SUTURE ANCHOR SCREW (AS AMENDED)</i>	Granted 21-Oct-2011	REE
ZM0260-/ ORD	United States of America	5441501 15-Aug-1995 <i>Title: INTRAMEDULLARY RASP WITH DETACHABLE EXTENSION END</i>	Granted 20-Jun-2014	DAW
ZM0261-/ ORD	United States of America	5522827 04-Jun-1996 <i>Title: APPARATUS AND METHOD FOR HARVESTING A TENDON GRAFT</i>	Granted 22-Apr-2014	GER
ZM0262-/ ORD	United States of America	5538514 23-Jul-1996 <i>Title: METHOD FOR FORMING BONE CEMENT TO AN IMPLANT</i>	Granted 07-Apr-2014	DAW
ZM0263-/ ORD	United States of America	5496324 05-Mar-1996 <i>Title: PROXIMAL BODY MILLING APPARATUS</i>	Granted 20-Jun-2014	DAW
ZM0267A/C1 CON	United States of America	5645594 08-Jul-1997 <i>Title: POLYMER COMPOSITE IMPLANT AND METHOD OF MAKING THE SAME</i> WRAPPER CONTINUATION OF 08/225,873, FILED 4/11/94	Granted 11-Apr-2014 FILE	DAW
ZM0269-/ ORD	United States of America	5431657 11-Jul-1995 <i>Title: INSTRUMENT FOR INSTALLING AN ACETABULAR CUP ASSEMBLY</i>	Granted 23-May-2014	DAW
ZM0270-/ ORD	United States of America	5573548 12-Nov-1996 <i>Title: SUTURE ANCHOR</i>	Granted 09-Jun-2014	REE

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ZM0271-/ DES	United States of America	D367706 05-Mar-1996	Granted 05-Mar-2010	DAW
<i>Title: AN ALIGNMENT GUIDE FOR AN ORTHOPAEDIC BONE CUTTING GUIDE</i>				
ZM0272-/ DES	United States of America	D376202 03-Dec-1996	Granted 03-Dec-2010	DAW
<i>Title: DESIGN FOR AN ORTHOPAEDIC INSTRUMENT</i>				
ZM0273-/ ORD	United States of America	5513434 07-May-1996	Granted 26-Sep-2014	DAW
<i>Title: ROTARY CUTTER FOR EXTERNAL FIXATION PINS</i>				
ZM0274-/ DES	United States of America	D374078 24-Sep-1996	Granted 24-Sep-2010	REE
<i>Title: FEMORAL IMPLANT</i>				
ZM0276-/ ORD	United States of America	5645607 08-Jul-1997	Granted 02-Mar-2015	GER
<i>Title: A HIP STEM PROVISIONAL HAVING ADJUSTABLE NECK OFFSETS</i>				
ZM0278-/ ORD	United States of America	5554192 10-Sep-1996	Granted 05-Oct-2014	GER
<i>Title: INTRAMEDULLARY IMPLANT STEM AND CENTRALIZER</i>				
ZM0279-/ ORD	United States of America	5458637 17-Oct-1995	Granted 21-Nov-2014	GER
<i>Title: AN ORTHOPAEDIC BASE COMPONENT WITH MODULAR AUGMENTATION BLOCK</i>				
ZM0280-/ ORD	United States of America	5474560 12-Dec-1995	Granted 26-Sep-2014	DAW
<i>Title: PROSTHETIC ACETABULAR CUP INSERTER</i>				

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ZM0281-/ ORD	United States of America	5609638 11-Mar-1997	Granted 29-Nov-2014	REE
<i>Title: REINFORCED POLYETHYLENE FOR ARTICULAR SURFACES</i>				
ZM0282-/ ORD	United States of America	5597384 28-Jan-1997	Granted 13-Sep-2014	REE
<i>Title: COLOR CODING FOR IMPLANT SELECTION</i>				
ZM0283-/ ORD	United States of America	5496375 05-Mar-1996	Granted 14-Sep-2014	GER
<i>Title: PROSTHETIC IMPLANT WITH CIRCUMFERENTIAL POROUS PAD</i>				
ZM0284-/ ORD	United States of America	5591164 07-Jan-1997	Granted 22-Dec-2014	DAW
<i>Title: EXTERNAL FIXATION APPARATUS AND SYSTEM</i>				
ZM0285-/ ORD	United States of America	5540696 30-Jul-1996	Granted 06-Jan-2015	DAW
<i>Title: INSTRUMENTATION FOR USE IN ORTHOPAEDIC SURGERY</i>				
ZM0285A/C1 CIP	United States of America	5688280 18-Nov-1997	Granted 06-Jan-2015	DAW
<i>Title: INSTRUMENTATION FOR USE IN ORTHOPAEDIC SURGERY</i>				
ZM0287-/ ORD	United States of America	5492671 20-Feb-1996	Granted 20-Dec-2014	GER
<i>Title: STERILIZATION CASE & METHOD OF STERILIZATION</i>				
ZM0288-/ ORD	United States of America	5562734 08-Oct-1996	Granted 31-May-2015	GER
<i>Title: METHOD FOR REDUCING RADIATION STERILIZATION INDUCED DISCOLORATION</i>				

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ZM0289-/ DES	United States of America	D370977 18-Jun-1996	Granted 18-Jun-2010	GER
<i>Title: UNIVERSAL SURGICAL HANDLE</i>				
ZM0291-/ ORD	United States of America	5562674 08-Oct-1996	Granted 27-Feb-2015	DAW
<i>Title: INTRAMEDULLARY ROD WITH GUIDE MEMBER LOCATOR</i>				
ZM0292-/ ORD	United States of America	5593411 14-Jan-1997	Granted 13-Mar-2015	DAW
<i>Title: ORTHOPAEDIC MILLING GUIDE FOR MILLING INTERSECTING PLANES</i>				
ZM0293-/ ORD	United States of America	5879398 09-Mar-1999	Granted 09-Mar-2016	DAW
<i>Title: ACETABULAR CUP</i>				
ZM0294-/ ORD	United States of America	5693048 02-Dec-1997	Granted 13-Mar-2015	DAW
<i>Title: INTRAMEDULLARY ROD GUIDE MEMBER LOCK</i>				
ZM0295-/ ORD	United States of America	5725587 10-Mar-1998	Granted 14-Dec-2015	GER
<i>Title: ACETABULAR CUP ASSEMBLY</i>				
ZM0296-/ ORD	United States of America	5645545 08-Jul-1997	Granted 14-Aug-2015	GER
<i>Title: SELF REAMING INTRAMEDULLARY NAIL AND METHOD FOR USING THE SAME</i>				
ZM0298-/ ORD	United States of America	5601563 11-Feb-1997	Granted 25-Aug-2015	DAW
<i>Title: ORTHOPAEDIC MILLING TEMPLATE WITH ATTACHABLE CUTTING GUIDE</i>				

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ZM0299-/ DES	United States of America	D372309 30-Jul-1996	Granted 30-Jul-2010	GER
<i>Title: ORTHOPAEDIC BROACH IMPACTOR</i>				
ZM0301-/ ORD	United States of America	5535810 16-Jul-1996	Granted 28-Jul-2015	DAW
<i>Title: CAST ORTHOPAEDIC IMPLANT AND METHOD OF MAKING SAME</i>				
ZM0302-/ ORD	United States of America	5613970 25-Mar-1997	Granted 06-Jul-2015	GER
<i>Title: ORTHOPAEDIC INSTRUMENTATION ASSEMBLY HAVING AN OFFSET BUSHING</i>				
ZM0303-/ ORD	United States of America	5634927 03-Jun-1997	Granted 06-Jul-2015	GER
<i>Title: SIZING PLATE AND DRILL GUIDE ASSEMBLY FOR ORTHOPAEDIC KNEE INSTRUMENTATION</i>				
ZM0306A/C1 CON	United States of America	5755811 26-May-1998	Granted 25-Aug-2015	GER
<i>Title: PROSTHETIC IMPLANT WITH FINS</i>				
ZM0307-/ ORD	United States of America	5586821 24-Dec-1996	Granted 10-Oct-2015	DAW
<i>Title: BONE CEMENT PREPARATION KIT</i>				
ZM0308-/ ORD	United States of America	5690842 25-Nov-1997	Granted 12-Sep-2015	GER
<i>Title: ORTHOPAEDIC WIRE WITH AN ENLARGED END AND METHOD OF FORMING THE SAME</i>				

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ZM0310-/ ORD	United States of America	5734959 31-Mar-1998	Granted 12-Oct-2015	DAW
<i>Title: METHOD OF MAKING AN ORTHOPAEDIC IMPLANT HAVING A POROUS SURFACE USING AN ORGANIC BINDER</i>				
ZM0310A/C1 CON	United States of America	5926685 20-Jul-1999	Granted 12-Oct-2015	DAW
<i>Title: METHOD OF MAKING AN ORTHOPAEDIC IMPLANT HAVING A POROUS SURFACE USING AN ORGANIC BINDER</i>				
ZM0310B/ CIP	United States of America	6132674 17-Oct-2000	Granted 12-Oct-2015	REE WIL
<i>Title: METHOD OF MAKING AN ORTHOPAEDIC IMPLANT HAVING A POROUS SURFACE</i>				
ZM0311-/ ORD	United States of America	5638997 17-Jun-1997	Granted 18-Sep-2015	REE
<i>Title: BONE CEMENT INJECTOR GUN</i>				
ZM0311A/C1 CIP	United States of America	5893488 13-Apr-1999	Granted 18-Sep-2015	REE
<i>Title: BONE CEMENT INJECTOR GUN</i>				
ZM0312-/ ORD	United States of America	5676664 14-Oct-1997	Granted 27-Nov-2015	DAW
<i>Title: ORTHOPAEDIC DISTRACTOR AND/OR FIXATOR</i>				
ZM0313-/ ORD	United States of America	5741455 21-Apr-1998	Granted 08-Dec-2015	DAW
<i>Title: INERT GAS HEATED COMPRESSION MOLDING PROCESS AND APPARATUS</i>				

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ZM0313A/D1 DIV	United States of America	5863570 26-Jan-1999	Granted 08-Dec-2015	DAW
<i>Title: INERT GAS HEATED COMPRESSION MOLDING PROCESS AND APPARATUS</i>				
ZM0318-/ ORD	United States of America	5772031 30-Jun-1998	Granted 15-Feb-2016	REE
<i>Title: PACKAGE FOR AN ELONGATED MEDICAL PRODUCT (AS AMENDED)</i>				
ZM0320-/ ORD	United States of America	5639280 17-Jun-1997	Granted 02-Feb-2016	DAW
<i>Title: CONSTRAINING RING FOR A HIP CUP</i>				
ZM0321-/ ORD	United States of America	5649931 22-Jul-1997	Granted 16-Jan-2016	GER
<i>Title: ORTHOPAEDIC DEVICE FOR DRIVING AND/OR REMOVING A BONE SCREW</i>				
ZM0322-/ ORD	United States of America	5702388 30-Dec-1997	Granted 20-Feb-2016	GER
<i>Title: ORTHOPAEDIC RETAINER ATTACHABLE TO AN ELONGATE MEMBER</i>				
ZM0326-/ ORD	United States of America	5755793 26-May-1998	Granted 04-Sep-2016	GER
<i>Title: CENTRALIZER FOR A PROSTHETIC IMPLANT</i>				
ZM0328-/ DES	United States of America	D390954 17-Feb-1998	Granted 17-Feb-2012	GER
<i>Title: ORTHOPAEDIC CLAMP</i>				
ZM0329-/ DES	United States of America	D397220 18-Aug-1998	Granted 18-Aug-2012	GER
<i>Title: ORTHOPAEDIC ALIGNMENT TOOL</i>				

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ZM0330-/ ORD	United States of America	5904688 18-May-1999	Granted 30-Dec-2017	GER
<i>Title: ORTHOPAEDIC ASSEMBLY INCLUDING AN ACETABULAR CUP AND INSERTER</i>				
ZM0331-/ ORD	United States of America	5951564 14-Sep-1999	Granted 18-Dec-2016	GER
<i>Title: ORTHOPAEDIC POSITIONING APPARATUS</i>				
ZM0332-/ ORD	United States of America	5342368 30-Aug-1994	Granted 08-Jul-2012	DAW
<i>Title: INTRAMEDULLARY UNIVERSAL PROXIMAL TIBIAL RESECTOR GUIDE</i>				
ZM0333-/ ORD	United States of America	5693047 02-Dec-1997	Granted 08-Feb-2016	DAW
<i>Title: PRESS FIT INTRAMEDULLARY REAMER HEAD</i>				
ZM0337-/ ORD	United States of America	5830216 03-Nov-1998	Granted 30-Oct-2016	REE
<i>Title: APPARATUS AND METHOD FOR KNEE IMPLANATATION</i>				
ZM0338-/ ORD	United States of America	5755806 26-May-1998	Granted 30-Sep-2016	GER
<i>Title: METHOD OF ATTACHING SPIKES TO AN ORTHOPAEDIC IMPLANT</i>				
ZM0339-/ ORD	United States of America	6123729 26-Sep-2000	Granted 10-Mar-2018	REE
<i>Title: FOUR COMPARTMENT KNEE</i>				
ZM0340-/ ORD	United States of America	5752963 19-May-1998	Granted 19-Aug-2016	REE
<i>Title: SUTURE ANCHOR DRIVER</i>				

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ZM0341-/ ORD	United States of America	5735857 07-Apr-1998	Granted 22-Jul-2016	GER
<i>Title: PROSTHETIC GRIPPING INSTRUMENT</i>				
ZM0342-/ ORD	United States of America	5928285 27-Jul-1999	Granted 30-May-2017	GER
<i>Title: ORTHOPAEDIC IMPLANT HAVING AN ARTICULATING SURFACE WITH A CONFORMING AND TRANSLATIONAL SURFACE</i>				
ZM0343-/ ORD	United States of America	5876333 02-Mar-1999	Granted 30-May-2017	GER
<i>Title: ORTHOPAEDIC RETRACTOR FRAME ASSEMBLY</i>				
ZM0343A/ DIV	United States of America	6017306 25-Jan-2000	Granted 30-May-2017	GER
<i>Title: ORTHOPAEDIC RETRACTOR FRAME ASSEMBLY</i>				
ZM0344-/ ORD	United States of America	5658348 19-Aug-1997	Granted 09-Sep-2016	DAW
<i>Title: ACETABULAR IMPLANT WITH THREE DED LINER AND LOCKING RING</i>				
ZM0345-/ ORD	United States of America	5723014 03-Mar-1998	Granted 23-Jan-2017	DAW
<i>Title: ORTHOPAEDIC IMPLANT HAVING A METALLIC BEARING SURFACE</i>				
ZM0346-/ ORD	United States of America	5916221 29-Jun-1999	Granted 17-Sep-2017	REE
<i>Title: NOTCH CHAMFER GUIDE</i>				
ZM0351-/ ORD	United States of America	5980525 09-Nov-1999	Granted 27-Oct-2017	DAW
<i>Title: BONE REAMER WITH IMPELLER</i>				

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Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
ZM0353-/ ORD	United States of America	4959065 25-Sep-1990 <i>Title: BONE PLATE WITH POSITIONING MEMBER</i>	Granted 14-Jul-2009	DAW
ZM0354-/ ORD	United States of America	4985031 15-Jan-1991 <i>Title: LEFT AND RIGHT INFERIOR BORDER OSTEOTOMY BLADE SAW</i>	Granted 28-Dec-2009	DAW
ZM0355-/ DES	United States of America	D331113 17-Nov-1992 <i>Title: OSTEOTOMY BLADE</i>	Granted 17-Nov-2006	DAW
ZM0356-/ ORD	United States of America	5935128 10-Aug-1999 <i>Title: ORTHOPAEDIC TEMPLATE SYSTEM</i>	Granted 18-Apr-2017	GER
ZM0358-/ ORD	United States of America	5888245 30-Mar-1999 <i>Title: ROTATIONAL ALIGNMENT GUIDE FOR A PROSTHETIC HIP STEM IMPLANT AND METHOD OF USING SAME</i>	Granted 21-May-2017	DAW
ZM0360-/ ORD	United States of America	5853413 29-Dec-1998 <i>Title: WRIST FUSION PLATE</i>	Granted 18-Apr-2017	GER
ZM0361-/ DES	United States of America	D390659 10-Feb-1998 <i>Title: DESIGN FOR BONE CEMENT SCOOP</i>	Granted 10-Feb-2012	DAW
ZM0362-/ ORD	United States of America	6068658 30-May-2000 <i>Title: PROSTHESIS FOR KNEE REPLACEMENT</i>	Granted 09-Mar-2018	MAY

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Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
ZM0363-/ ORD	United States of America	5989261 23-Nov-1999	Granted 29-Jul-2017	DAW
<i>Title: EVALUATING THE FIT OF AN ORTHOPAEDIC IMPLANT</i>				
ZM0364-/ ORD	United States of America	5849015 15-Dec-1998	Granted 11-Sep-2017	GER
<i>Title: ORTHOPAEDIC STEM INSERTER WITH QUICK RELEASE LEVER AND RATCHET</i>				
ZM0365/ ORD	United States of America	6365089 02-Apr-2002	Granted 24-Sep-2019	REE
<i>Title: METHOD FOR CROSSLINKING UHMWPE IN AN ORTHOPAEDIC IMPLANT</i>				
ZM0367-/ ORD	United States of America	6025536 15-Feb-2000	Granted 20-Aug-2017	DAW
<i>Title: PROCESS OF MANUFACTURING A COBALT-CHROMIUM ORTHOPAEDIC IMPLANT WITHOUT COVERING DEFECTS IN THE SURFACE OF THE IMPLANT</i>				
ZM0369-/ ORD	United States of America	5171276 15-Dec-1992	Granted 08-Jan-2010	DAW
<i>Title: KNEE JOINT PROSTHESIS (ARTHROKNEE)</i>				
ZM0369A/D1 DIV	United States of America	5201768 13-Apr-1993	Granted 13-Apr-2010	DAW
<i>Title: PROSTHESIS FOR IMPLANT ON THE TIBIAL PLATEAU OF THE KNEE</i>				
ZM0369B/D1 DIV	United States of America	5207711 04-May-1993	Granted 04-May-2010	DAW
<i>Title: PROSTHESIS FOR IMPLANT ON THE TIBIAL PLATEAU OF THE KNEE</i>				
ZM0369D/D1 DIV	United States of America	5336266 09-Aug-1994	Granted 09-Aug-2011	DAW
<i>Title: BEARING INSERT FOR A TIBIAL PLATEAU PROSTHESIS</i>				

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ZM0370-/ ORD	United States of America	5171244 15-Dec-1992	Granted 08-Jan-2010	DAW
<i>Title: METHODS AND APPARATUS FOR ARTHROSCOPIC PROSTHETIC KNEE REPLACEMENT (ARTHROKNEE)</i>				
ZM0370B/DI DIV	United States of America	5395376 07-Mar-1995	Granted 07-Mar-2012	DAW
<i>Title: METHOD OF IMPLANTING A PROSTHESIS</i>				
ZM0370C/DI DIV	United States of America	5228459 20-Jul-1993	Granted 20-Jul-2010	DAW
<i>Title: METHOD AND APPARATUS FOR ARTHROSCOPIC PROSTHETIC KNEE REPLACEMENT</i>				
ZM0370D/DI DIV	United States of America	5304181 19-Apr-1994	Granted 19-Apr-2011	DAW
<i>Title: APPARATUS FOR RESECTING BONE</i>				
ZM0370E/C1 CIP	United States of America	5263498 23-Nov-1993	Granted 23-Nov-2010	DAW
<i>Title: METHOD OF ARTHROSCOPICALLY PREPARING AN ARTICULAR BONE SURFACE</i>				
ZM0371-/ ORD	United States of America	5957979 28-Sep-1999	Granted 12-Dec-2017	DAW
<i>Title: MOBILE BEARING KNEE W/METAL ON METAL INTERFACE</i>				
ZM0372-/ ORD	United States of America	6066143 23-May-2000	Granted 10-Nov-2018	REE
<i>Title: PIN PULLER</i>				
ZM0373-/ ORD	United States of America	5,938,664 17-Aug-1999	Granted 31-Mar-2018	DAW
<i>Title: BONE PLATE AND METHOD OF MANUFACTURE</i>				

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ZM0373-/C1 CON	United States of America	6355042 12-Mar-2002	Granted 31-Mar-2018	DAW
<i>Title: BONE PLATE AND METHOD OF MANUFACTURE</i>				
ZM0377-/ ORD	United States of America	5989293 23-Nov-1999	Granted 17-Jul-2018	REE
<i>Title: ACETABULAR CUP KIT FOR USE DURING HIP REPLACEMENT SURGERY</i>				
ZM0378-/ ORD	United States of America	5957925 28-Sep-1999	Granted 20-May-2018	REE
<i>Title: ORTHOPAEDIC MILLING DEVICE</i>				
ZM0379-/ ORD	United States of America	5993475 30-Nov-1999	Granted 22-Apr-2018	REE
<i>Title: TISSUE REPAIR DEVICE</i>				
ZM0382-/ ORD	United States of America	5133766 28-Jul-1992	Granted 04-Mar-2011	DAW
<i>Title: FEMORAL HEAD REMODELING AND FEMORAL INSERT AND DRILLING AID THEREFOR</i>				
ZM0383-/ ORD	United States of America	4532661 06-Aug-1985	Granted 06-Aug-2002	DAW
<i>Title: FEMORAL HEAD REMODELING AND PROSTHETIC MEANS THEREFOR</i>				
ZM0384-/ ORD	United States of America	5468243 21-Nov-1995	Granted 27-Oct-2013	DAW
<i>Title: FEMORAL SUPERIOR NECK REMODELING MEANS AND METHOD</i>				
ZM0385-/ ORD	United States of America	6033410 07-Mar-2000	Granted 04-Jan-2019	DAW
<i>Title: ORTHOPAEDIC INSTRUMENTATION</i>				

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ZM0386-/ ORD	United States of America	6197031B1 06-Mar-2001	Granted 08-Sep-2019	REE
<i>Title: THREADED DRILL/IM ROD</i>				
ZM0387/ ORD	United States of America	6143030 07-Nov-2000	Granted 26-Mar-2019	REE
<i>Title: IMPACTION ALLOGRAFT FORM AND METHOD OF ORTHOPAEDIC SURGERY USING SAME</i>				
ZM0388/O1 ORD	United States of America	6143232 07-Nov-2000	Granted 29-Jul-2019	REE
<i>Title: METHOD OF MANUFACTURING AN ARTICULATING BEARING SURFACE FOR AN ORTHOPAEDIC IMPLANT</i>				
ZM0389-/ ORD	United States of America	6120174 19-Sep-2000	Granted 14-Jan-2019	DAW
<i>Title: APPARATUS AND METHOD FOR MIXING AND DISPENSING BONE CEMENT</i>				
ZM0390-/ ORD	United States of America	6120507 19-Sep-2000	Granted 29-Jan-2019	REE
<i>Title: INSTRUMENT AND METHOD FOR SEATING A PROSTHESIS</i>				
ZM0391/A CON	United States of America	6395327 28-May-2002	Granted 12-Mar-2019	REE
<i>Title: ENHANCED FATIGUE STRENGTH ORTHOPAEDIC IMPLANT WITH POROUS COATING AND METHOD OF MAKING SAME</i>				
ZM0395/ ORD	United States of America	6090146 18-Jul-2000	Granted 16-Jun-2019	REE
<i>Title: FASTENER FOR A MODULAR IMPLANT</i>				

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Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
ZM0396/ ORD	United States of America	6187008 13-Feb-2001 <i>Title: DEVICE FOR TEMPORARILY FIXING BONES</i>	Granted 07-Jul-2019	REE
ZM0397/ ORD	United States of America	6224605 01-May-2001 <i>Title: ORTHOPAEDIC INSTRUMENTATION ASSEMBLY AND METHOD OF USING SAME</i>	Granted 24-Nov-2019	REE
ZM0398/ ORD	United States of America	6319283 20-Nov-2001 <i>Title: TIBIAL KNEE COMPONENT WITH MOBILE BEARING</i>	Granted 02-Jul-2019	DAW
ZM0399/ ORD	United States of America	6183470 06-Feb-2001 <i>Title: INSTRUMENTATION FOR THE PREVENTATION OF EMBOLISMS DURING TOTAL JOINT ARTHROPLASTY</i>	Granted 02-Jul-2019	DAW
ZM0401/ ORD	United States of America	6243074 12-Jun-2001 <i>Title: ORTHOPAEDIC GLENOID REAMER</i>	Granted 01-Sep-2019	REE
ZM0404/ ORD	United States of America	6210445 03-Apr-2001 <i>Title: TIBIAL KNEE COMPONENT WITH A MOBILE BEARING</i>	Granted 26-Oct-2019	DAW
ZM0405/ ORD	United States of America	6217618 17-Apr-2001 <i>Title: TIBIAL KNEE COMPONENT WITH A MOBILE BEARING</i>	Granted 26-Oct-2019	DAW
ZM0406/ ORD	United States of America	6210444 03-Apr-2001 <i>Title: TIBIAL KNEE COMPONENT WITH A MOBILE BEARING</i>	Granted 26-Oct-2019	DAW

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ZM0410/ ORD	United States of America	6336930 08-Jan-2002 <i>Title: POLYMER FILLED BONE PLATE</i>	Granted 07-Mar-2020	DAW
ZM0412/ ORD	United States of America	6332894 25-Dec-2001 <i>Title: POLYMER FILED SPINAL FUSION CAGE</i>	Granted 07-Mar-2020	DAW
ZM0415/ ORD	United States of America	5383875 25-Jan-1995 <i>Title: SAFETY DEVICE FOR A POWERED INSTRUMENT</i>	Granted 31-May-2014	DAW
ZM0417/ ORD	United States of America	6238435 29-May-2001 <i>Title: ASSEMBLY TOOL FOR PROSTHETIC IMPLANT</i>	Granted 10-Mar-2020	REE
ZM0420/ ORD	United States of America	6258097B1 10-Jul-2001 <i>Title: HEAD CENTER INSTRUMENT AND METHOD OF USING THE SAME</i>	Granted 02-Jun-2020	REE
ZM0421/ ORD	United States of America	6,330,845 18-Dec-2001 <i>Title: WRENCH FOR AN IMPLANT</i>	Granted 17-May-2020	REE

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Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
ZM0423/ DES	United States of America <i>Title: BONE PLATE</i>	D443060 29-May-2001	Granted 29-May-2015	DAW
ZM0428/ ORD	United States of America <i>Title: PATELLA RESURFACING APPARATUS AND RELATED PROCEDURES</i>	6190391 20-Feb-2001	Granted 01-Oct-2019	DAW
ZM0434/ DES	United States of America <i>Title: MENISCAL COMPONENT</i>	D450846 20-Nov-2001	Granted 20-Nov-2015	DAW
ZM9084-/ ORD	United States of America <i>Title: COATED ORTHOPAEDIC IMPLANT</i>	4491987 08-Jan-1985	Granted 08-Jan-2002	SCH
ZM9104A/C1 CON	United States of America <i>Title: COLLATERAL LIGAMENT RETRACTOR</i>	4520797 04-Jun-1985	Granted 04-Jun-2002	
ZM9105-/ ORD	United States of America <i>Title: SURGICAL KNEE ALIGNMENT METHOD AND SYSTEM</i>	4524766 25-Jun-1985	Granted 25-Jun-2002	
ZM9106-/ ORD	United States of America <i>Title: STABILIZED SPINAL TRACTION HOOK</i>	4567884 04-Feb-1986	Granted 04-Feb-2003	

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ZM9115-/ ORD	United States of America	4546501 15-Oct-1985	Granted 15-Oct-2002	
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Title: HIP PROSTHESIS

ZM9115A/ REI	United States of America	RE32488 01-Sep-1987	Granted 12-Sep-2006	
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Title: HIP PROSTHESIS CONTINUING DATA-RE OF 426092 PAT.4546501

ZM9119A/ ORD	United States of America	4542539 24-Sep-1985	Granted 31-Jan-2004	
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Title: CONTINUATION-IN-PART AMERICAN STANDARD & ARTECH

ZM9126-/ ORD	United States of America	4567886 04-Feb-1986	Granted 04-Feb-2003	SCH
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Title: INTRA/OPERATIVE PLANNER SPACER GUIDE

ZM9132-/ ORD	United States of America	4536894 27-Aug-1985	Granted 04-Aug-2003	SCH
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Title: HIP PROSTHESIS WITH FLARED POROUS BONY INGROWTHIP ADS

ZM9136-/ ORD	United States of America	4628919 16-Dec-1986	Granted 16-Dec-2003	SCH
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ZM9140-/ ORD	United States of America	4608055 26-Aug-1986	Granted 12-Jan-2004	SCH
<i>Title: IMPROVED FEMORAL COMPONENT FOR HIP PROSTHESIS</i>				
ZM9144-/ ORD	United States of America	4406023 27-Sep-1983	Granted 19-Apr-2002	SCH
<i>Title: STEMMED FEMORAL COMPONENT FOR THE HUMAN HIP</i>				
ZM9144A/C1 CIP	United States of America	4514865 07-May-1985	Granted 19-Apr-2002	
<i>Title: STEMMED FEMORAL COMPONENT FOR THE HUMAN HIP</i>				
ZM9144B/ ORD	United States of America	4514865 07-May-1985	Granted 20-Jun-2003	
<i>Title: STEMMED FEMORAL COMPONENT FOR THE HUMAN HIP</i>				
ZM9145-/ ORD	United States of America	4706659 17-Nov-1987	Granted 05-Dec-2004	SCH
<i>Title: FLEXIBLE CONNECTING SHAFT FOR ITRAMEDULLARY REAMER</i>				
ZM9155-/ ORD	United States of America	4633862 06-Jan-1987	Granted 30-May-2005	
<i>Title: PATELLAR RESECTION SAWGUIDE</i>				

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ZM9155A/D1 DIV	United States of America <i>Title: PATELLAR CLAMP</i>	4706660 17-Nov-1987	Granted 30-May-2005	DAW
ZM9159-I ORD	United States of America <i>Title: COMPRESSION SCREW ASSEMBLY</i>	4530355 23-Jul-1985	Granted 23-Jul-2002	
ZM9164-I ORD	United States of America <i>Title: SUTURE ANCHOR ASSEMBLY</i>	4632100 30-Dec-1986	Granted 29-Aug-2005	
ZM9166-I ORD	United States of America <i>Title: SUTURE ANCHOR SYSTEM</i>	4738255 19-Apr-1988	Granted 07-Apr-2006	
ZM9167-I ORD	United States of America <i>Title: INSTRUMENTS FOR SHAPING DISTAL FEMORAL AND PROXIMAL TIBIAL SURFACES</i>	4759350 26-Jul-1988	Granted 17-Oct-2006	
ZM9175-I ORD	United States of America <i>Title:</i>	4863476 05-Sep-1989	Granted 28-Aug-2007	DAW

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ZM9181-/ ORD	United States of America	4922898 08-May-1990	Granted 04-Oct-2008	GER
<i>Title: APPARATUS AND PROCEDURE FOR VERIFYING PROSTHETIC IMPLANT</i>				
ZM9183-/ ORD	United States of America	4960420 02-Oct-1990	Granted 23-Aug-2008	GER
<i>Title: CHANNEL LIGAMENT CLAMP AND SYSTEM</i>				
ZM9184-/ ORD	United States of America	4901711 20-Feb-1990	Granted 27-Dec-2008	GER
<i>Title: DRILL GUIDE</i>				
ZM9185-/ ORD	United States of America	4870957 03-Oct-1989	Granted 27-Dec-2008	GER
<i>Title: LIGAMENT ANCHOR SYSTEM</i>				
ZM9188A/C1 CON	United States of America	5034013 23-Jul-1991	Granted 24-Apr-2009	SCH
<i>Title: INTRAMEDULLARY NAIL</i>				
ZM9189B/C1 CON	United States of America	4978358 18-Dec-1990	Granted 06-Oct-2008	SCH
<i>Title: ORTHOPAEDIC PROSTHETIC DEVICE POSSESSING IMPROVED COMPOSITE STEM DESIGN</i>				
ZM9190-/ ORD	United States of America	4622959 18-Nov-1986	Granted 05-Mar-2005	SCH
<i>Title: MULTI-USE FEMORAL INTRAMEDULLARY NAIL</i>				
ZM9191-/ ORD	United States of America	4973168 27-Nov-1990	Granted 13-Jan-2009	GER
<i>Title: VACUUM MIXING/BONE CEMENT CARTRIDGE AND KIT</i>				

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ZM9191A/ ORD	United States of America	5100241 31-Mar-1992	Granted 31-Mar-2009	SCH
<i>Title: VACUUM MIXING/BONE CEMENT CARTRIDGE AND KIT</i>				
ZM9191B/ REI	United States of America	RE.35276 18-Jun-1996	Granted 13-Jan-2009	SCH
<i>Title: VACUUM MIXING/BONE CEMENT CARTRIDGE AND KIT REISSUE OF ZM-09191,</i>				
ZM9193-/CI CON	United States of America	4998936 12-Mar-1991	Granted 29-Jul-2008	MAY
<i>Title: SPINAL SYSTEM</i>				
ZM9193A/CI CON	United States of America	4998936 12-Mar-1991	Granted 29-Jul-2008	MAY
<i>Title: SPINAL SYSTEM</i>				
ZM9199B/CI CON	United States of America	5171275 15-Dec-1992	Granted 25-Feb-2010	SCH
<i>Title: FEMORAL STEM PROSTHESIS</i>				
ZM9199C/D1 DIV	United States of America	5290318 01-Mar-1994	Granted 20-Jul-2012	SCH
<i>Title: FEMORAL STEM PROSTHESIS</i>				
ZM9200A/CI CON	United States of America	5451226 19-Sep-1995	Granted 19-Sep-2012	DAW
<i>Title: UNILATERAL, EXTENSIBLE, EXTERNAL TENSIONING DEVICE CONTINUATION OF 07/613,489; FILED 12/11/91</i>				
ZM9201-/ ORD	United States of America	5019108 28-May-1991	Granted 02-Feb-2010	SCH
<i>Title: MODULAR IMPLANT</i>				

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ZM9202-/ ORD	United States of America	4994065 19-Feb-1991	Granted 18-May-2010	SCH
<i>Title: APPARATUS FOR DISPENSING LOW VISCOSITY SEMI-FLUID MATERIAL UNDER PRESSURE</i>				
ZM9204-/ ORD	United States of America	5047035 10-Sep-1991	Granted 10-Aug-2010	SCH
<i>Title: SYSTEM FOR PERFORMING HIP PROSTHESIS REVISION SURGERY</i>				
ZM9204A/D1 DIV	United States of America	5108405 28-Apr-1992	Granted 10-Aug-2010	SCH
<i>Title: SYSTEM FOR PERFORMING HIP PROSTHESIS REVISION SURGERY</i>				
ZM9204B/C1 CIP	United States of America	5192283 09-Mar-1993	Granted 10-Aug-2010	SCH
<i>Title: SYSTEM FOR PERFORMING HIP PROSTHESIS REVISION SURGERY</i>				
ZM9204D/D1 DIV	United States of America	5470336 28-Nov-1995	Granted 28-Nov-2012	SCH
<i>Title: SYSTEM FOR PERFORMING HIP PROSTHESIS REVISION SURGERY</i>				
ZM9205-/ ORD	United States of America	5080680 14-Jan-1992	Granted 04-Sep-2010	SCH
<i>Title: FEMORAL STEM PROSTHESIS WITH PREAPPLIED CEMENT MANTLE</i>				
ZM9206-/ ORD	United States of America	4997433 05-Mar-1991	Granted 16-Jan-2010	GER
<i>Title: ENDOSTEAL FIXATION STUD AND SYSTEM</i>				
ZM9207-/ ORD	United States of America	4985032 15-Jan-1991	Granted 14-May-2010	SCH
<i>Title: DRILL GUIDE</i>				

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Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
ZM9210A/C1 CIP	United States of America	4936862 26-Jun-1990	Granted 30-May-2006	GER
<i>Title: METHOD OF DESIGNING AND MANUFACTURING A HUMAN JOINT PROSTHESIS</i>				
ZM9213A/C1 CIP	United States of America	5129908 14-Jul-1992	Granted 12-Jan-2010	SCH
<i>Title: METHOD AND INSTRUMENTS FOR RESECTION OF THE PATELLA</i>				
ZM9217-/ ORD	United States of America	5201769 13-Apr-1993	Granted 23-Sep-2011	DAW
<i>Title: HIP STEM WITH PROXIMAL BUILD-UP BLOCKS</i>				
ZM9221-/ ORD	United States of America	5258032 02-Nov-1993	Granted 03-Apr-2012	SCH
<i>Title: KNEE PROSTHESIS PROVISIONAL APPARATUS AND RESECTION GUIDE AND METHOD OF USE IN KNEE REPLACEMENT SURGERY</i>				
ZM9221A/D1 DIV	United States of America	5458645 17-Oct-1995	Granted 17-Oct-2012	SCH
<i>Title: KNEE PROSTHESIS PROVISIONAL APPARATUS AND RESECTION GUIDE AND METHOD OF USE IN KNEE REPLACEMENT SURGERY</i>				
ZM9222-/ ORD	United States of America	5226915 13-Jul-1993	Granted 03-Apr-2012	SCH
<i>Title: FEMORAL PROSTHESIS COMPONENT SYSTEM FOR KNEE REPLACEMENT SURGERY</i>				
ZM9223-/ ORD	United States of America	4642123 10-Feb-1987	Granted 10-Feb-2004	SCH
<i>Title: BALL AND SOCKET BEARING FOR ARTIFICIAL JOINT</i>				

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ZM9223A/C1 CIP	United States of America	4678472 07-Jul-1987	Granted 10-Feb-2004	SCH
<i>Title: BALL AND SOCKET BEARING FOR ARTIFICIAL JOINT</i>				
ZM9223C/C1 CON	United States of America	4801301 31-Jan-1989	Granted 10-Feb-2004	SCH
<i>Title: BALL AND SOCKET BEARING FOR ARTIFICIAL JOINT</i>				
ZM9223D/C1 CON	United States of America	4950299 21-Aug-1990	Granted 10-Feb-2004	SCH
<i>Title: BALL AND SOCKET BEARING FOR ARTIFICIAL JOINT</i>				
ZM9223G/C1 CON	United States of America	4960427 02-Oct-1990	Granted 10-Feb-2004	SCH
<i>Title: BALL AND SOCKET BEARING FOR ARTIFICIAL JOINT</i>				
ZM9223H/C1 CON	United States of America	4978356 18-Dec-1990	Granted 10-Feb-2004	SCH
<i>Title: BALL AND SOCKET BEARING FOR ARTIFICIAL JOINT</i>				

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ZM9228A/ REI	United States of America	RE32471 11-Aug-1987	Granted 11-Aug-2004	DAW
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Title: HIP JOINT PROSTHESIS WITH A SHAFT TO BE FITTED INTO THE MEDULLARY CANAL
OF THE FEMUR

ZM9231-/ ORD	United States of America	5006120 09-Apr-1991	Granted 10-Oct-2009	DAW
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Title: DISTAL RADIAL FRACTURE SET AND METHOD FOR REPAIRING DISTAL RADIAL
FRACTURES

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ZM9232-/ ORD	United States of America <i>Title: KNEE JOINT REPLACEMENT APPARATUS</i>	5059216 22-Oct-1991	Granted 29-Sep-2009	GER
ZM9232A/D1 DIV	United States of America <i>Title: KNEE JOINT REPLACEMENT APPARATUS</i>	5192328 09-Mar-1993	Granted 29-Sep-2009	SCH
ZM9233-/ ORD	United States of America <i>Title: FEMORAL HIP JOINT PROSTHESIS</i>	5314493 24-May-1994	Granted 10-Sep-2012	DAW
ZM9237-/ ORD	United States of America <i>Title: MARCHETTI NAIL</i>	5281225 25-Jan-1994	Granted 25-Jan-2011	MAY
ZM9239-/ ORD	United States of America <i>Title: FIXATION ALIGNMENT GUIDE FOR SURGICAL USE</i>	5312412 17-May-1994	Granted 03-Feb-2013	SCH
ZM9240-/ ORD	United States of America <i>Title: ACETABULAR PROSTHETIC TECHNIQUES</i>	5507748 16-Apr-1996	Granted 19-Aug-2013	DAW
ZM9242-/ ORD	United States of America <i>Title: APPARATUS AND METHOD FOR IMPLANTING A PROSTHETIC ACETABULAR CUP AND THEN TESTING THE STABILITY OF THE IMPLANT</i>	5320625 14-Jun-1994	Granted 21-Jan-2013	DAW
ZM9243-/ ORD	United States of America <i>Title: ARBOR PRESS STAPLE AND WASHER</i>	5352229 04-Oct-1994	Granted 12-May-2013	DAW

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ZM9244-/ ORD	United States of America	5330533 19-Jul-1994	Granted 03-Feb-2012	DAW
<i>Title: PROSTHESIS FOR KNEE REPLACEMENT</i>				
ZM9244A/C1 CIP	United States of America	5609639 11-Mar-1997	Granted 11-Mar-2014	DAW
<i>Title: PROSTHESIS FOR KNEE REPLACEMENT</i>				
ZM9245-/ ORD	United States of America	5725584 10-Mar-1998	Granted 10-Mar-2015	DAW
<i>Title: KNEE PROSTHESIS WITH FEMORAL-TIBIAL CLOSE CONFORMITY</i>				
ZM9250-/ ORD	United States of America	5425490 20-Jun-1995	Granted 18-Jan-2014	GER
<i>Title: INSTRUMENT WITH DUAL HOLDING FEATURE</i>				
ZM9251-/ ORD	United States of America	5431660 11-Jul-1995	Granted 30-Nov-2013	DAW
<i>Title: SPRING LOADED SCREW</i>				
ZM9252A/C1 CON	United States of America	5584837 17-Dec-1996	Granted 17-Dec-2013	DAW
<i>Title: ACETABULAR CUP INSERTER FOR ORTHOPEDIC SURGERY</i>				
ZM9253-/O1 ORD	United States of America	5609639 11-Mar-1997	Granted 11-Mar-2014	DAW
<i>Title: KNEE PROSTHESIS WITH MEDIAL POSTERIOR STOP</i>				
ZM9254-/ ORD	United States of America	5755801 26-May-1998	Granted 26-May-2015	DAW
<i>Title: TIBIAL BASE PLATE WITH CURVED GUIDE SURFACES</i>				

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ZM9255A/C1 CON	United States of America	5480453 02-Jan-1996	Granted 02-Jan-2013	GER
<i>Title: COLLAR FOR FEMORAL IMPLANT AND METHOD AND APPARATUS FOR INSTALLATION THEREOF</i>				
ZM9255B/D1 DIV	United States of America	5569255 29-Oct-1996	Granted 29-Oct-2013	GER
<i>Title: METHOD FOR IMPLANTING A PROSTHETIC DEVICE</i>				
ZM9255C/D1 DIV	United States of America	5624445 29-Apr-1997	Granted 29-Apr-2014	GER
<i>Title: APPARATUS FOR CUTTING GROOVES IN BONE FOR A PROSTHETIC DEVICE</i>				
ZM9255D/D1 DIV	United States of America	5624443 29-Apr-1997	Granted 29-Apr-2014	GER
<i>Title: CLAMP FOR FEMORAL IMPLANT</i>				
ZM9255E/C1 CIP	United States of America	5702485 30-Dec-1997	Granted 20-Nov-2012	GER
<i>Title: IMPROVED COLLAR FOR FEMORAL IMPLANT AND METHOD AND APPARATUS FOR INSTALLATION THEREOF</i>				
ZM9255F/C1 CIP	United States of America	5951606 14-Sep-1999	Granted 20-Nov-2012	GER
<i>Title: SLEEVE INSTRUMENT FOR POSITIONING COLLARLESS IMPLANT</i>				
ZM9255F/D1 DIV	United States of America	6179877 30-Jan-2001	Granted 20-Nov-2012	GER
<i>Title: SLEEVE INSTRUMENT FOR POSITIONING COLLARLESS IMPLANT</i>				

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ZM9255G/D1 DIV	United States of America	5,725,596 10-Mar-1998	Granted 20-Nov-2012	GER
<i>Title: CLAMP FOR FEMORAL IMPLANT</i>				
ZM9256-I ORD	United States of America	5395377 07-Mar-1995	Granted 21-Sep-2013	DAW
<i>Title: EXTRAMEDULLARY PROXIMAL TIBIAL GUIDE</i>				
ZM9259-I ORD	United States of America	5507831 16-Apr-1996	Granted 03-Jan-2014	GER
<i>Title: DISTAL STEM CENTRALIZER FOR FEDERAL PROSTHESIS</i>				
ZM9260-I ORD	United States of America	5411506 02-May-1995	Granted 11-Apr-2014	SCH
<i>Title: ANCHOR DRIVER</i>				
ZM9263-I ORD	United States of America	4501266 26-Feb-1985	Granted 04-Mar-2003	GER
<i>Title: KNEE DISTRACTION DEVICE</i>				
ZM9268B/D1 DIV	United States of America	6302574 16-Oct-2001	Granted 06-Jun-2015	SCH
<i>Title: PREPACKAGED LIQUID BONE CEMENT</i>				
ZM9270A/ ORD	United States of America	5,797,912 25-Aug-1998	Granted 19-Aug-2017	GER
<i>Title: SPHERICAL WASHER FOR USE WITH A BONE SCREW</i>				
ZM9271-/O1 ORD	United States of America	5318571 07-Jun-1994	Granted 14-May-2012	SCH
<i>Title: METHOD AND APPARATUS FOR SIMPLIFYING TOTAL HIP ARTHROPLASTY</i>				

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ZM9271A/C1 CIP	United States of America	5423828 13-Jun-1995 <i>Title: METHOD AND APPARATUS FOR SIMPLIFYING TOTAL HIP ARTHROPLASTY</i>	Granted 13-Jun-2012	SCH
ZM9271B/D1 DIV	United States of America	5603717 18-Feb-1997 <i>Title: METHOD AND APPARATUS FOR SIMPLIFYING TOTAL HIP ARTHROPLASTY</i>	Granted 18-Feb-2014	SCH
ZM9271C/C1 CIP	United States of America	5814050 29-Sep-1998 <i>Title: HIP OFFSET-INSET APPARATUS AND METHOD</i>	Granted 29-Sep-2015	SCH
ZM9271D/C1 CON	United States of America	5755794 26-May-1998 <i>Title: METHOD AND APPARATUS FOR SIMPLIFYING TOTAL HIP ARTHROPLASTY</i>	Granted 14-May-2012	SCH
ZM9273-/ ORD	United States of America	5415658 16-May-1995 <i>Title: SURGICAL CABLE LOOP CONNECTOR</i>	Granted 14-Dec-2013	GER
ZM9275-/ ORD	United States of America	5766180 16-Jun-1998 <i>Title: NAIL EXTRACTION KIT AND METHOD</i>	Granted 31-Jul-2015	GER
ZM9276-/ ORD	United States of America	5,651,283 29-Jul-1997 <i>Title: BONE PLATE SHAPING DEVICE</i>	Granted 16-Nov-2015	GER
ZM9277-/ ORD	United States of America	5624184 29-Apr-1997 <i>Title: BONE CEMENT PREPARATION KIT HAVING A BREAKABLE MIXING SHAFT FORMING AN OUTPUT PORT</i>	Granted 10-Oct-2015	DAW

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Case Number/Subcase Case Type	Country	Patent Number Issue Date	Status Expiration Date	Attorney(s)
ZM9278-/ DES	United States of America	D383,841 16-Sep-1997	Granted 16-Sep-2011	GER
<i>Title: BONE PLATE SHAPING DEVICE</i>				
ZM9279-/ ORD	United States of America	4677972 07-Jul-1987	Granted 05-Feb-2006	
<i>Title: COUPLING ASSEMBLY FOR JOINING AN IMPLANT TOOL TO A BONE IMPLANT</i>				
ZM9280-/ ORD	United States of America	5788463 04-Aug-1998	Granted 22-Dec-2015	DAW
<i>Title: VACUUM SYSTEM</i>				
ZM9281-/ ORD	United States of America	5741265 21-Apr-1998	Granted 21-Feb-2016	DAW
<i>Title: BONE CANAL PRESSURIZER</i>				
ZM9282-/ ORD	United States of America	5779356 14-Jul-1998	Granted 21-Feb-2016	DAW
<i>Title: SYSTEM AND METHOD FOR MIXING BONE CEMENT</i>				
ZM9284-/ ORD	United States of America	5,746,742 05-May-1998	Granted 25-Jun-2016	GER
<i>Title:</i>				
ZM9285-/ ORD	United States of America	5,785,712 28-Jul-1998	Granted 16-Apr-2016	GER
<i>Title:</i>				

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ZM9286-/ ORD	United States of America <i>Title: FEMORAL SURFACE SHAPING APPARATUS FOR POSTERIOR-STABILIZED KNEE IMPLANTS</i>	4721104 26-Jan-1988	Granted 02-Dec-2005	GER
ZM9287-/ ORD	United States of America <i>Title: DEVICE FOR MEASURING LEG LENGTH AND HIP OFF-SET DURING TOTAL HIP REPLACEMENT</i>	5700268 23-Dec-1997	Granted 06-Jan-2017	GER
ZM9288-/ ORD	United States of America <i>Title: PROXIMAL MANDIBULAR SEGMENT POSITIONER</i>	5626583 06-May-1997	Granted 21-Apr-2015	DAW
ZM9295-/ REI	United States of America <i>Title: LIGAMENT ATTACHMENT METHOD AND APPARATUS</i>	RE34293 22-Jun-1993	Granted 22-Jun-2010	DAW
ZM9296-/ ORD	United States of America <i>Title: ENDOSTEAL LIGAMENT RETAINER AND PROCESS</i>	5129902 14-Jul-1992	Granted 20-Apr-2010	DAW

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ZM9297-/O1 ORD	United States of America	5190548 02-Mar-1993	Granted 10-Apr-2011	DAW
<i>Title: SURGICAL REAMER</i>				
ZM9301-/ ORD	United States of America	5,879,400 09-Mar-1999	Granted 13-Feb-2016	REE
<i>Title: MELT-IRRADIATED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE PROSTHETIC DEVICES</i>				
ZM9305-/ ORD	United States of America	5443523 22-Aug-1995	Granted 18-Mar-2014	GER
<i>Title: FEMORAL STEM CEMENT MANTLE</i>				
ZM9306-/ ORD	United States of America	5472444 05-Dec-1995	Granted 13-May-2014	GER
<i>Title: HUMERAL NAIL FOR FIXATION OF PROXIMAL HUMERAL FRACTURES</i>				
ZM9307/ ORD	United States of America	6080196 27-Jun-2000	Granted 04-Mar-2019	DAW
<i>Title: PATELLA HEIGHT GAUGE AND METHOD OF LOCATING A PATELLA USING SAME</i>				

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ZM9310/ ORD	United States of America	6264697 24-Jul-2001	Granted 15-Apr-2018	DAW
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Title: KNEE PROSTHESIS HAVING GUIDE SURFACES FOR CONTROL OF ANTERIOR-POSTERIOR DISPLACEMENT SADDLE

ZM9313/ PCT	United States of America	5906643 25-May-1999	Granted 25-Jul-2015	DAW
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Title: STABILISED MOBILE BEARING KNEE

ZM9315/ ORD	United States of America	5766257 16-Jun-1998	Granted 28-Jan-2017	DAW
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Title: ARTIFICIAL JOINT HAVING NATURAL LOAD TRANSFER

ZM9317/ ORD	United States of America	6296646 02-Oct-2001	Granted 29-Jun-2020	DAW
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Title: INSTRUMENTS AND METHODS FOR USE IN PERFORMING KNEE SURGERY METHOD CLAIMS

ZM9320/ DES	United States of America	D450844 20-Nov-2001	Granted 20-Nov-2015	DAW
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Title: DESIGN FOR AN OSTEOTOME BLADE

ZM9322/ ORD	United States of America	5499984 19-Mar-1996	Granted 19-Mar-2013	REE
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Title: UNIVERSAL MODULAR REAMER SYSTEM

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ZM9323/ ORD	United States of America <i>Title: INTEGRAL REAMER APPARATUS WITH GUIDE COUNTERBORES IN FEMALE PRESS-FITTED PARTS</i>	5720749 24-Feb-1998	Granted 24-Feb-2015	GER
ZM9327/ ORD	United States of America <i>Title: PROXIMAL FEMORAL REPLACEMENT IMPLANT AND METHOD OF IMPLANTING THE SAME</i>	6,284,002 04-Sep-2001	Granted 27-May-2019	DAW
ZM9329/ ORD	United States of America <i>Title: IN SITU PATELLAR RESECTION GUIDE</i>	6174314 16-Jan-2001	Granted 15-Dec-2018	DAW
ZM9330/ CIP	United States of America <i>Title: OSTEOTOMY TRIAL MOUNTING DEVICE AND METHOD</i>	6228090 08-May-2001	Granted 15-Dec-2018	DAW
ZO0009-/ ORD	United States of America <i>Title: ACETABULAR CUP</i>	4715859 29-Dec-1987	Granted 04-Dec-2006	DAW
ZO0011-/ ORD	United States of America <i>Title: HIP JOINT FEMORAL PROSTHESIS</i>	4822370 18-Apr-1989	Granted 20-Jun-2008	DAW
ZO0039-/ ORD	United States of America <i>Title: JOINT FOR COUPLING TWO ELONGATED PROSTHESIS SECTIONS</i>	5032130 16-Jul-1991	Granted 20-Mar-2010	DAW

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ZO0039A/ ORD	United States of America	5062849 05-Nov-1991	Granted 20-Mar-2010	DAW
<i>Title: JOINT FOR COUPLING TWO ELONGATED PROSTHESIS SECTIONS</i>				
ZO0041-/ ORD	United States of America	5116377 26-May-1992	Granted 10-Apr-2010	DAW
<i>Title: CEMENTABLE HIP PROSTHESIS</i>				
ZO0043-/ ORD	United States of America	4856503 15-Aug-1989	Granted 10-May-2008	DAW
<i>Title: DEVICE FOR CUTTING A THREAD IN A CUP SHAPED BONE</i>				

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