

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4164859

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CONFIRMATORY ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STEPHEN JAMES FIELD	05/19/2016
RICHARD HINGLEY	05/23/2016
STEPHEN JAMES LODGE	06/06/2016
THOMAS CUTHBERT MILLS	05/19/2016
RECEIVING PARTY DATA	
Name:	SMITHS GROUP PLC
Street Address:	2ND FLOOR CARDINAL PLACE
Internal Address:	80 VICTORIA STREET
City:	LONDON
State/Country:	ENGLAND
Postal Code:	5W1E 5JL
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	10803882
Application Number:	13914684
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<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:	(617) 542-5070
Email:	apsi@fr.com
Correspondent Name:	MICHAEL R. HAMLIN
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	44313-0004001
NAME OF SUBMITTER:	CHERYL A. FORREST
SIGNATURE:	/Cheryl A. Forrest/
DATE SIGNED:	12/01/2016

Total Attachments: 6

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, STEPHEN JAMES FIELD, RICHARD HINGLEY, STEPHEN JAMES LODGE, and THOMAS CUTHBERT MILLS, assign to and confirm assignment to SMITHS GROUP PLC, a corporation registered in England and having a principal place of business at 2nd Floor Cardinal Place, 80 Victoria Street, London SW1E 5JL, England, and its successors, transferees, and assignees (collectively the "Assignee"), all of our right, title, and interest throughout the world in the matters claimed and inventions disclosed in any of the patents and patent applications listed in the attached Schedule A and any matters claimed and inventions disclosed in any patents, patent applications, rights to inventions, divisional applications, extensions, continuations, renewals and/or reissued patents that are based on the matters claimed and/or inventions disclosed in any of the patents and patent applications listed in the attached Schedule A (the "Patents and Patent Applications").

This Assignment assigns and confirms assignment of (a) the Patents and Patent Applications and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates in respect of the Patents and Patent Applications (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Applications and Granted Rights and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Applications and Granted Rights and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Applications and Granted Rights, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

[Signature]
Stephen James Field

Date: 19 May 2016

Witnessed by:

Signature: [Signature]

Date: 19-MAY-2016

Print Name: ANDY JEFFREY

Signature: [Signature]

Date: 19 MAY 2016

Print Name: S. MARSHALL


Richard Hingley

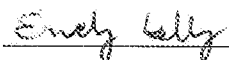
Date: 23-MAY-2016

Witnessed by:

Signature: 


Date: 23 May 2016

Print Name: S. H. TUPPER.

Signature: 

Date: 23 -MAY-2016

Print Name: EMILY KELLY



Stephen James Lodge

Date: 06-JUN-2016

Witnessed by:

Signature: _____

Date: 06-JUN-2016

Print Name: Sean Kennedy

Signature: _____

Date: 06-JUN-2016

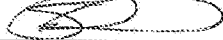
Print Name: SEANNE POUQUET



Thomas Cuthbert Mills


Date: 19-MAY-2016

Witnessed by:

Signature: 

Date: 19-MAY-2016

Print Name: SIMON JOHN READ

Signature: 

Date: 19-MAY-2016

Print Name: LEE ERIC PIGGETT

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: SMITHS GROUP PLC

Signature: _____

Date: _____

Name: _____

Title: _____

SCHEDULE A

<u>Patent/Publication No.</u>	<u>Application No.</u>	<u>Title</u>	<u>Filing Date</u>
US 2004/0193055	US 10/803,882	Medical Devices	March 19, 2004
US 2013/0281835	US 13/914,684	Medical Devices	June 11, 2013
AT485771T	AT2004251358T	Medical Devices	March 10, 2004
AU2004201146B2	AU20040201146	Medical Devices	March 18, 2004
CA2462166C	CA2462166A	Medical Devices	March 26, 2004
DE602004029736D1	DE602004029736T	Medical Devices	March 10, 2004
DK1462056T3	DK2004251358T	Medical Devices	March 10, 2004
EP1462056B1	EP20040251358	Medical Devices	March 10, 2004
ES2350578T3	ES2004251358T	Medical Devices	March 10, 2004
FR1462056B1	FR20040251358	Medical Devices	March 10, 2004
GB2400804B	GB20046066A	Medical Devices	March 18, 2004
IT1462056B1	IT20040251358	Medical Devices	March 10, 2004
JP04724372B2	JP200495894A	Medical Devices	March 29, 2004