

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
COVIDIEN (CHINA) MEDICAL DEVICES TECHNOLOGY CO., LTD.	12/21/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COVIDIEN PRIVATE LIMITED
<b>Street Address:</b>	50 PASIR PANJANG ROAD, #04-51 MAPLETREE BUSINESS CITY
<b>City:</b>	SINGAPORE
<b>State/Country:</b>	SINGAPORE
<b>Postal Code:</b>	117384
<b>PROPERTY NUMBERS Total: 6</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	29481392
Application Number:	29533310
Application Number:	14906072
Application Number:	15961461
Application Number:	29481395
Application Number:	29546943
<b>CORRESPONDENCE DATA</b>	
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<b>Email:</b>	rs.patents.two@medtronic.com, elizabeth.e.burlingame@medtronic.com
<b>Correspondent Name:</b>	COVIDIEN LP
<b>Address Line 1:</b>	5920 LONGBOW DRIVE
<b>Address Line 2:</b>	ATTN: IP LEGAL
<b>Address Line 4:</b>	BOULDER, COLORADO 80301
<b>ATTORNEY DOCKET NUMBER:</b>	H-EM-00078/79/80ANDCONS
<b>NAME OF SUBMITTER:</b>	THOMAS A. BEATON
<b>SIGNATURE:</b>	/Thomas A. BEATON/ Reg # 46543
<b>DATE SIGNED:</b>	03/14/2019

**Total Attachments: 5**

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## DEED OF ASSIGNMENT

THIS DEED OF ASSIGNMENT IS EXECUTED BY

Covidien (China) Medical Devices Technology Co., Ltd., Rooms 501, 502, 601, 602, No. 3 Building, No. 2388, Chen Hang Road, Min Hang District, Shanghai, China (hereinafter 'Assignor') (including its successors and Assigns) and represented by its authorized signatory Mr/Ms. PENG Young;

IN FAVOUR OF

Covidien Private Limited, having main address at 50 Pasir Panjang Road, #04-51 Mapletree Business City, Singapore, 117384 (hereinafter 'Assignee') (including its successors and Assigns) and represented by its authorized signatory Mr/Ms. Campbell Andrew John Clark;

WHEREAS the Assignor is the sole owner of invention(s) and patent applications(s):

**See Attached Schedule A**

hereinafter referred to as the "Inventions".

NOW THEREFORE, with reference to the Research and Development Services Agreement between the Assignor and the Assignee effective as of November 8, 2011, the Assignor does hereby assign and transfer to Assignee the full interest of Assignor's right and title in the Inventions above and in the patent application(s) with the filing number listed above as well as in all other applications, utility model applications, design applications filed in any country and other intellectual property rights basing priority on the patent application above including the right to claim priority under the Paris Convention for the Protection of Industrial Property, all re-examination applications, all re-issue applications, and any patents, utility models, designs or other intellectual property rights which may issue for the Inventions above. All interests in property in the Inventions and patent applications above are herewith transferred to the Assignee.

Assignor further agrees and warrants to execute all such further papers and perform such other acts as Assignee may reasonably request to obtain or maintain such patents, utility models, designs other intellectual property rights in any country.

Authorised signatory of Assignor

Signature

Name: PENG Young

Place, Date:

Dec-21-2018 Shanghai

[Company Seal/Stamp]

Witness of Assignor:

Signature

Name: SHI Yanchen

Place, Date:

Dec-21-2018 Shanghai

Assignee hereby acknowledges and agrees to such assignment and transfer

Authorised signatory of Assignee

Signature

Name: Campbell Clark

Place, Date: Singapore, 10 JAN 2019

[Company Seal/Stamp]

Witness of Assignee:

Signature

Name: Choong Hwei Fong

Place, Date: Singapore, 10 JAN 2019



Schedule A

<u>Attorney docket number</u>	<u>Title</u>	<u>Application #</u>	<u>Application Date</u>
356852.WOU1	ENDOSCOPIC SURGICAL CLIP APPLIER AND CLIP APPLYING SYSTEMS	PCT/CN2016/094599	08/11/2016
356449.WOU1	REMOVABLE DRIVE ASSEMBLY AND ENDOSCOPIC REPOSABLE SURGICAL CLIP APPLIER INCLUDING A REMOVABLE DRIVE ASSEMBLY	PCT/CN2017/077833	03/23/2017
C00014582.WOU1	ADJUSTABLE ROTATION ASSEMBLY FOR SURGICAL INSTRUMENTS	PCT/CN2017/087521	06/08/2017
C00014891.WOU1	SURGICAL STAPLING DEVICE WITH VARIABLE HEIGHT STAPLE PUSHERS	PCT/CN2017/076153	03/09/2017
C00015782.WOU1	ENDOSCOPES AND METHODS OF USE	PCT/CN2017/078143	03/24/2017
C00015402.WOU2	END EFFECTOR ASSEMBLY FOR A CIRCULAR STAPLER APPARATUS	PCT/CN2017/076115	03/09/2017
C00015039.WOU1	SURGICAL STAPLING DEVICE WITH AUDIBLE INDICATOR MECHANISM	PCT/CN2017/076161	03/09/2017
C00015190.WOU1	ANVIL PLATE FOR A SURGICAL STAPLING INSTRUMENT	PCT/CN2017/077107	03/17/2017
C00015037.WOU1	CIRCULAR STAPLING DEVICE WITH ALIGNMENT SPLINES	PCT/CN2017/077862	03/23/2017
C00015038.WOU1	METHOD AND DEVICE FOR LOADING A STAPLE GUIDE	PCT/CN2017/076163	03/09/2017
C00015728.WOU1	ENDOSCOPES AND METHODS OF TREATMENT	PCT/CN2017/078142	03/24/2017
356851.WOU1	ENDOSCOPIC SURGICAL CLIP APPLIER AND CLIP APPLYING SYSTEMS	PCT/CN2016/096666	08/25/2016
356654W001	METHOD OF MANUFACTURING AN ANVIL ASSEMBLY	PCT/CN2016/082458	05/18/2016
C00014334.WOU1	ENDOSCOPIC REUSABLE SURGICAL DEVICE	PCT/CN2017/077303	03/20/2017
C00015782.WOU1	ENDOSCOPES AND METHODS OF USE	PCT/CN2017/078143	03/24/2017
C00015728.WOU1	ENDOSCOPES AND METHODS OF TREATMENT	PCT/CN2017/078142	03/24/2017

C00015403.WOU1	CIRCULAR STAPLING DEVICE WITH POSITION RIBS	PCT/CN2017/100233	09/01/2017
C00015513.WOU1	SURGICAL STAPLING INSTRUMENT	PCT/CN2018/077890	03/02/2018
C00018276.WOU1	SHEATH ASSEMBLY FOR RIGID ENDOSCOPE	PCT/CN2018/076912	02/15/2018
C00013446.WOU1	SURGICAL CLIP APPLIER WITH USER FEEDBACK FEATURE	PCT/CN2017/072960	02/6/2017
C00017167.WOU1	LIGATION CLIP WITH RETENTION FEATURES	PCT/CN2018/078294	03/07/2018
356378WO01	CIRCULAR STAPLER WITH TISSUE GAP INDICATOR ASSEMBLY	PCT/CN2015/092271	10/20/2015
C000014553.WOU1	AUTOMATIC ABLATION ANTENNA SEGMENTATION FROM CT IMAGE	PCT/CN2017/114461	12/04/2017
H-EM-00078US	OPEN VESSEL SEALER WITH MECHANICAL CUTTER	29/481392	02/05/2014
H-EM-00078USCON	OPEN VESSEL SEALER WITH MECHANICAL CUTTER	29/533310	07/16/2015
H-EM-00080US	DISPOSABLE HOUSING FOR OPEN VESSEL SEALER WITH MECHANICAL CUTTER	29/481395	02/05/2014
H-EM- 00080USDESCON	DISPOSABLE HOUSING FOR OPEN VESSEL SEALER WITH MECHANICAL CUTTER	29/546943	11/30/2015
H-EM-00079WO	BIPOLAR SURGICAL INSTRUMENT	PCT/CN2013/080947	08/07/2013
H-EM-00079CN	BIPOLAR FORCEPS	201410385523.2	08/07/2014
H-EM-00079CN-U	BIPOLAR FORCEPS	201420442249.3	08/07/2014
H-EM-00079CNDIV	BIPOLAR FORCEPS	201610177959.1	03/25/2016
H-EM-00079JP	BIPOLAR SURGICAL INSTRUMENT	2016-516040	01/15/2016
H-EM-00079.JPV2	BIPOLAR SURGICAL INSTRUMENT	2016-233881	12/01/2016
H-EM-00079.JPV3	BIPOLAR SURGICAL INSTRUMENT	2016-233882	12/01/2016
H-EM-00079AU	BIPOLAR SURGICAL INSTRUMENT	2013375909	08/01/2014
H-EM-00079AUDIV	BIPOLAR SURGICAL INSTRUMENT	2015243043	10/15/2015

H-EM-00079.AUV4	BIPOLAR SURGICAL INSTRUMENT	2017201241	02/23/2017
H-EM-00079KR	BIPOLAR SURGICAL INSTRUMENT	10-2016-7004068	02/17/2016
H-EM-00079BR	BIPOLAR SURGICAL INSTRUMENT	BR1120160015207	01/22/2016
H-EM-00079EP	BIPOLAR SURGICAL INSTRUMENT	13891096.3	01/19/2016
H-EM-00079IN	BIPOLAR SURGICAL INSTRUMENT	201617001608	01/15/2016
H-EM-00079US01	BIPOLAR SURGICAL INSTRUMENT	14/906072	01/19/2016
H-EM-00079.USC5	BIPOLAR SURGICAL INSTRUMENT	15/961,461	04/24/2018