

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>IEM170076PCT</b>	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/CN2017/096337</b>	International filing date ( <i>day/month/year</i> ) <b>08 August 2017</b>	(Earliest) Priority Date ( <i>day/month/year</i> )
Applicant <b>COVIDIEN LP et al</b>		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed.

a translation of the international application into \_\_\_\_\_ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b.  This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2.  **Certain claims were found unsearchable** (see Box No. II).

3.  **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1A

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2017/096337

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
A61B 18/12(2006.01)i		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
A61B18/-; A61B17/-		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
CNPAT, CNKI, WPI, EPODOC: Electro w surgical, Forcep?, Grasp+, Insulat+, Polymer, Coating		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 106063722 A (COVIDIEN L.L.P.) 02 November 2016 (2016-11-02) description, paragraphs [0041]-[0052] and figures 1-5	1-15
A	CN 106063721 A (COVIDIEN L.L.P.) 02 November 2016 (2016-11-02) the whole document	1-15
A	CN 104955413 A (ETHICON ENDO-SURGERY INC.) 30 September 2015 (2015-09-30) the whole document	1-15
A	CN 101384225 A (ERBE ELEKTROMEDIZIN G.M.B.H.) 11 March 2009 (2009-03-11) the whole document	1-15
A	CN 104144654 A (UNIV. SCHOOL LEGAL PERSON KEIO ET AL.) 12 November 2014 (2014-11-12) the whole document	1-15
A	CN 105286989 A (UNIV. TIANJIN) 03 February 2016 (2016-02-03) the whole document	1-15
A	US 2011018164 A1 (SARTOR, JOE D. ET AL.) 27 January 2011 (2011-01-27) the whole document	1-15
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
20 April 2018		08 May 2018
Name and mailing address of the ISA/CN		Authorized officer
STATE INTELLECTUAL PROPERTY OFFICE OF THE P.R.CHINA 6, Xitucheng Rd., Jimen Bridge, Haidian District, Beijing 100088 China		KONG,Xiangyun
Facsimile No. (86-10)62019451		Telephone No. 86-(10)-53962489

**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/CN2017/096337**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	106063722	A	02 November 2016	WO	2016169040	A1	27 October 2016
				CN	205885521	U	18 January 2017
CN	106063721	A	02 November 2016	WO	2016169036	A1	27 October 2016
				CN	205885520	U	18 January 2017
CN	104955413	A	30 September 2015	US	9610114	B2	04 April 2017
				EP	2950732	A2	09 December 2015
				US	2014214019	A1	31 July 2014
				US	2018008337	A1	11 January 2018
				WO	2014120442	A2	07 August 2014
				JP	2016504153	A	12 February 2016
				US	2017224409	A1	10 August 2017
CN	101384225	A	11 March 2009	EP	1983918	A1	29 October 2008
				US	2009209959	A1	20 August 2009
				CN	101384225	B	08 September 2010
				DE	102006006812	B4	07 April 2011
				WO	2007093351	A1	23 August 2007
				EP	1983918	B1	14 October 2009
				DE	102006006812	A1	23 August 2007
				US	8182478	B2	22 May 2012
				JP	2009526583	A	23 July 2009
				JP	4995841	B2	08 August 2012
				DE	502007001728	D1	26 November 2009
CN	104144654	A	12 November 2014	EP	2944280	A1	18 November 2015
				US	2014350540	A1	27 November 2014
				JP	WO2014109181	A1	19 January 2017
				WO	2014109181	A1	17 July 2014
				JP	5677633	B2	25 February 2015
CN	105286989	A	03 February 2016	CN	105286989	B	15 August 2017
US	2011018164	A1	27 January 2011	AU	2002250551	B2	02 February 2006
				DE	60204759	D1	28 July 2005
				ES	2240723	T3	16 October 2005
				US	2004193153	A1	30 September 2004
				WO	02080798	A1	17 October 2002
				EP	1372512	B1	22 June 2005
				DE	60204759	T2	27 April 2006
				CA	2442852	A1	17 October 2002
				US	7103947	B2	12 September 2006
				JP	4125133	B2	30 July 2008
				CA	2442852	C	26 July 2011
				US	2006264922	A1	23 November 2006
				JP	2004524924	A	19 August 2004
				EP	1372512	A1	02 January 2004