

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 64963371PC04	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2015/051819	International filing date (<i>day/month/year</i>) 24 September 2015 (24.09.2015)	(Earliest) Priority Date (<i>day/month/year</i>) 29 September 2014 (29.09.2014)
Applicant KIMBERLY-CLARK WORLDWIDE, INC.		

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. 1

☒ 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/US2015/051819**A. CLASSIFICATION OF SUBJECT MATTER****A61F 13/15(2006.01)i, A61F 13/49(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61F 13/15; A61F 13/511; A61F 13/505; A61F 13/16; A61F 13/20; A61F 13/49

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: absorbent, core, remove, replace, weakness, perforations

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5820616 A (HORNEY, J. C.) 13 October 1998 See abstract; figures 1-4; claims 1-9.	1-20
A	US 5460624 A (AHR, N. A. et al.) 24 October 1995 See abstract; figures 1-4; claims 1-10.	1-20
A	US 4938756 A (SALEK, J. E.) 03 July 1990 See abstract; figures 1-5; claims 1-6.	1-20
A	US 2005-0049569 A1 (TRACY, R.) 03 March 2005 See abstract; figures 1-8; claims 1-19.	1-20
A	US 2013-0338620 A1 (SPEAK, J.) 19 December 2013 See abstract; figures 1-6; claims 1-14.	1-20



Further documents are listed in the continuation of Box C.



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

16 November 2015 (16.11.2015)

Date of mailing of the international search report

05 January 2016 (05.01.2016)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2015/051819

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5820616 A	13/10/1998	EP 0957862 A1 EP 0957862 B1 JP 03-231784 B2 JP 11-500342 A KR 10-0259735 B1 WO 97-19660 A1	08/05/2002 07/08/2002 26/11/2001 12/01/1999 01/07/2000 05/06/1997
US 5460624 A	24/10/1995	EP 0749296 A1 EP 0749296 B1 JP 09-512455 A KR 10-0191978 B1 WO 95-29654 A1	04/03/1998 23/09/1998 16/12/1997 15/06/1999 09/11/1995
US 4938756 A	03/07/1990	None	
US 2005-0049569 A1	03/03/2005	US 7431716 B2 WO 2005-020852 A2 WO 2005-020852 A3	07/10/2008 10/03/2005 01/12/2005
US 2013-0338620 A1	19/12/2013	None	