

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P-61890/WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2017/072267	International filing date (<i>day/month/year</i>) 5 September 2017 (05-09-2017)	(Earliest) Priority Date (<i>day/month/year</i>)
Applicant AKTIEBOLAGET ELECTROLUX		

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 43.6*bis*(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:

METHOD OF A ROBOTIC CLEANING DEVICE

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. 3

- 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/EP2017/072267

A. CLASSIFICATION OF SUBJECT MATTER
 INV. A47L9/28
 ADD.
 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)
 A47L

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)
 EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2015/000068 A1 (TSUBOI MASANORI [JP] ET AL) 1 January 2015 (2015-01-01) paragraph [0076] - paragraph [0079] paragraph [0173]; figures 1-8 -----	1-14
A	US 2014/207280 A1 (DUFFLEY SAMUEL [US] ET AL) 24 July 2014 (2014-07-24) paragraph [0155]; figures 1-4 -----	1-14
A	DE 20 2017 000833 U1 (LG ELECTRONICS INC [KR]) 8 March 2017 (2017-03-08) paragraph [0060] - paragraph [0067]; figures -----	1-14

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
 29 May 2018

Date of mailing of the international search report
 06/06/2018

Name and mailing address of the ISA/
 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040,
 Fax: (+31-70) 340-3016

Authorized officer
 Masset, Markus

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2017/072267

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 2015000068	A1	01-01-2015	CN 104125792 A	29-10-2014
			JP 5968627 B2	10-08-2016
			JP 2013146309 A	01-08-2013
			KR 20140106751 A	03-09-2014
			TW 201336464 A	16-09-2013
			US 2015000068 A1	01-01-2015
			WO 2013108709 A1	25-07-2013

US 2014207280	A1	24-07-2014	AU 2013374347 A1	09-04-2015
			AU 2014207323 A1	09-04-2015
			AU 2017200992 A1	02-03-2017
			CA 2886106 A1	24-07-2014
			CA 2886451 A1	24-07-2014
			CN 104470685 A	25-03-2015
			CN 104769962 A	08-07-2015
			CN 107411639 A	01-12-2017
			CN 107518826 A	29-12-2017
			EP 2945783 A1	25-11-2015
			EP 2946567 A1	25-11-2015
			JP 2016513981 A	19-05-2016
			JP 2016515311 A	26-05-2016
			JP 2018033977 A	08-03-2018
			US 2014207280 A1	24-07-2014
			US 2016282862 A1	29-09-2016
			WO 2014113091 A1	24-07-2014
WO 2014113713 A1	24-07-2014			
WO 2014113806 A1	24-07-2014			

DE 202017000833	U1	08-03-2017	DE 202017000833 U1	08-03-2017
			EP 3207847 A2	23-08-2017
			EP 3300647 A1	04-04-2018
			US 2017238778 A1	24-08-2017
