



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 82 11 24

Classification of the application (IPC):

A47L 9/10, B01D 50/00, A47L 7/00, A47L 9/00, A47L 9/12, A47L 9/16,
A47L 9/20, A47L 9/28, B01D 46/24, B01D 50/20

Technical fields searched (IPC):

A47L, B01D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	CA 2593950 A1 (GBD CORP [CA]) 12 June 2008 (2008-06-12)	1-4, 10, 12-15
Y	* paragraph [0022]; figures 4,6,9,10 *	5, 6
X	US 2014245564 A1 (CONRAD WAYNE ERNEST [CA]) 04 September 2014 (2014-09-04) * paragraph [0299]; figures 25,41 *	1
Y	EP 3424392 A1 (LG ELECTRONICS INC [KR]) 09 January 2019 (2019-01-09) * paragraphs [0456] - [0472]; figures 56,57 *	5, 6

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 13 June 2024	Examiner Lopez Vega, Javier
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CATEGORY OF CITED DOCUMENTS

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| X: particularly relevant if taken alone | P: intermediate document |
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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-6, 10, 12-15

Dust extractor with a coarse and fine filter powered by a battery

2. claims: 7-9

Dust extractor with a airflow arrangement for battery cooling

3. claim: 11

Dust extractor with a lid arrangement for filter cleaning

None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims: 1-6, 10, 12-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
The Hague	13 June 2024	Lopez Vega, Javier

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ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT

Application number:
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 13-06-2024
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
CA 2593950	A1	12-06-2008	CA	2593950 A1	12-06-2008
			DE	112007003039 T5	29-10-2009
			GB	2457419 A	19-08-2009
US 2014245564	A1	04-09-2014	NONE		
EP 3424392	A1	09-01-2019	AU	2017227410 A1	16-08-2018
			CN	108697291 A	23-10-2018
			EP	3424392 A1	09-01-2019
			JP	6776361 B2	28-10-2020
			JP	2019504713 A	21-02-2019
			RU	2694917 C1	18-07-2019