



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 87 78 34

Classification of the application (IPC):
A47L 9/00, A47L 9/06, A47L 9/24, A47L 5/26, A47L 5/22

Technical fields searched (IPC):
A47L

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	KR 20040058827 A (SAMSUNG KWANGJU ELECTRONICS CO) 05 July 2004 (2004-07-05) * paragraph [0021] - paragraph [0046]; figures 1-7 *	1 2-15
X A	WO 2014205923 A1 (POSITEC POWER TOOLS SUZHOU CO [CN]) 31 December 2014 (2014-12-31) * abstract; figures 1-13 *	1 2-15
A	DE 102008055043 A1 (BSH BOSCH SIEMENS HAUSGERAETE [DE]) 05 August 2010 (2010-08-05) * abstract; figures 1-8 *	1-15
A	US 2019298135 A1 (HWANG PHILJAE [KR] ET AL) 03 October 2019 (2019-10-03) * abstract; figures 1-14 *	1-15

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 The Hague	Date of completion of the search 13 September 2024	Examiner Hubrich, Klaus
------------------------------	---	----------------------------

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 87 78 34

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 13-09-2024
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
KR 20040058827	A	05-07-2004	NONE	
WO 2014205923	A1	31-12-2014	CN 104250958 A	31-12-2014
			US 2015000070 A1	01-01-2015
			US 2019290080 A1	26-09-2019
			WO 2014205923 A1	31-12-2014
DE 102008055043	A1	05-08-2010	NONE	
US 2019298135	A1	03-10-2019	AU 2018227287 A1	24-01-2019
			AU 2020201915 A1	02-04-2020
			AU 2022202010 A1	14-04-2022
			CN 209996200 U	31-01-2020
			EP 3524115 A1	14-08-2019
			EP 3936022 A1	12-01-2022
			ES 2893437 T3	09-02-2022
			KR 20180101145 A	12-09-2018
			KR 20190104294 A	09-09-2019
			KR 20200092298 A	03-08-2020
			KR 20230047064 A	06-04-2023
			TW 201836539 A	16-10-2018
			US 2019298135 A1	03-10-2019
			US 2020085270 A1	19-03-2020
			US 2020390308 A1	17-12-2020
			US 2020405113 A1	31-12-2020