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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 76 02 69

Classification of the application (IPC):
A47L 9/28, ***G05D 1/02***, ***B25J 11/00***, ***B25J 9/00***, ***B25J 19/00***, ***B25J 19/02***, ***B25J 9/16***, ***A47L 9/12***

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	DE 102005007923 A1 (KAERCHER GMBH & CO KG ALFRED [DE]) 17 August 2006 (2006-08-17) * paragraph [0035] - paragraph [0047]; figures *	1-3, 6, 7 4, 5, 8-15
A	JP 2003219999 A (TOSHIBA TEC KK) 05 August 2003 (2003-08-05) * paragraph [0016] - paragraph [0024]; figures 2,4,6,9,10 *	1-15
A	GB 2502132 A (DYSON TECHNOLOGY LTD [GB]) 20 November 2013 (2013-11-20) * page 15, line 17 - page 17, line 3; figures 10-13 *	1-5

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
Munich	14 October 2019	Masset, Markus

CATEGORY OF CITED DOCUMENTS

X: particularly relefant if taken alone
Y : particularly relefant if combined with another document of the same category
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E: earlier patent document, but published on, or after the filing date
D: document cited in the application
L: document cited for other reasons
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 76 02 69

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 102005007923 A1	17-08-2006	AT 474493 T	15-08-2010
		DE 102005007923 A1	17-08-2006
		DK 1848317 T3	01-11-2010
		EP 1848317 A1	31-10-2007
		PL 1848317 T3	31-12-2010
		US 2008062618 A1	13-03-2008
		WO 2006084495 A1	17-08-2006
JP 2003219999 A	05-08-2003	*NONE*	
GB 2502132 A	20-11-2013	AU 2013261596 A1	27-11-2014
		CN 103417163 A	04-12-2013
		EP 2849621 A1	25-03-2015
		GB 2502132 A	20-11-2013
		JP 5758437 B2	05-08-2015
		JP 2013240599 A	05-12-2013
		KR 20150008895 A	23-01-2015
		KR 20170007866 A	20-01-2017
		US 2013305484 A1	21-11-2013
		WO 2013171461 A1	21-11-2013

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