



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 79 35 36

Classification of the application (IPC):

E03D 9/08, A47K 10/48, A47K 13/24, A61M 3/02, B05B 1/00, A61M 3/06,
B05B 15/656, B05B 15/70, B05B 13/04

Technical fields searched (IPC):

E03D, A47K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	US 3995326 A (UMANN HARRY M) 07 December 1976 (1976-12-07) * columns 1-4; figures 1-4 *	1-15
Y	US 7120946 B1 (LAZAR SAUREL J [US]) 17 October 2006 (2006-10-17) * columns 1-6; figures 1, 2 *	1-15
Y	US 7543339 B1 (HARRIS ROBERT MARION [US]) 09 June 2009 (2009-06-09) * columns 1-15; figures 16, 17 *	2-7
A	WO 2012044086 A2 (WOONGJIN COWAY CO LTD [KR]; SON JOUNG-HO [KR] ET AL.) 05 April 2012 (2012-04-05) * pages 1-9 *	8-10

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 Munich	Date of completion of the search 28 July 2020	Examiner Posavec, Daniel
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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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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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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 28-07-2020
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3995326	A	07-12-1976	AU 502263 B2 19-07-1979
			CA 1056105 A 12-06-1979
			DE 2634438 A1 03-02-1977
			FR 2319747 A1 25-02-1977
			GB 1541708 A 07-03-1979
			IL 50157 A 31-01-1980
			IT 1123060 B 30-04-1986
			JP S601460 B2 14-01-1985
			JP S5219494 A 14-02-1977
			SE 425750 B 01-11-1982
			US 3995326 A 07-12-1976
US 7120946	B1	17-10-2006	NONE
US 7543339	B1	09-06-2009	US 7543339 B1 09-06-2009
			WO 2009108541 A1 03-09-2009
WO2012044086	A2	05-04-2012	NONE