



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 86 58 37

Classification of the application (IPC):
A47J 36/36, A47J 45/06, F16P 1/02, A47J 45/08

Technical fields searched (IPC):
A47J

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2013061426 A1 (ACHIAZ ITAI [US]) 14 March 2013 (2013-03-14) * figures 1-16 *	1-3, 5, 6, 13, 14
Y		4, 7-12, 15
Y	US 2007131723 A1 (ANDERSON LUKE [US] ET AL) 14 June 2007 (2007-06-14) * figures 66,67 *	4, 10, 15
Y	US 2005269332 A1 (SVABECK LAWRENCE J [US] ET AL) 08 December 2005 (2005-12-08) * figures 1-4 *	7-12
X	US 3858320 A (NEAL JAMES ET AL) 07 January 1975 (1975-01-07) * figures 1,2 *	1-3, 5, 6, 13, 14
Y		4, 7-12, 15
X	US 4103420 A (DAVIS ALBERT F) 01 August 1978 (1978-08-01) * figures 1-20 *	1-3, 5, 6, 13, 14
Y		4, 7-12, 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 Munich	Date of completion of the search 16 November 2020	Examiner Fritsch, 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 16 86 58 37

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 16-11-2020
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
US 2013061426	A1	14-03-2013	US 2013061426 A1	14-03-2013
			US 2013227816 A1	05-09-2013
US 2007131723	A1	14-06-2007	NONE	
US 2005269332	A1	08-12-2005	NONE	
US 3858320	A	07-01-1975	NONE	
US 4103420	A	01-08-1978	NONE	