



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 88 83 61

Classification of the application (IPC):  
B22D 11/103, B22D 41/00, B22D 11/118

Technical fields searched (IPC):  
B22D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 6074600 A (SUER MARK A [US] ET AL) 13 June 2000 (2000-06-13) * column 3, line 27 - line 51; figures 1-2-3-4 *	1, 4-6
X	KR 20030044589 A (POSCO [KR]) 09 June 2003 (2003-06-09) * abstract; figures 2-4,6 *	1-3, 7, 8
X	US 2009200343 A1 (CERCONE TEACHO [US]) 13 August 2009 (2009-08-13) * paragraphs [0035], [0036]; figures 1-2 *	1
X	KR 20130047136 A (POSCO [KR]) 08 May 2013 (2013-05-08) * abstract; figures 2-8 *	1-3, 7, 8
X,D	KR 20140085127 A (POSCO [KR]) 07 July 2014 (2014-07-07) * abstract; figures 2-4 *	1-3, 7, 8
X	JP H10216909 A (NIPPON YAKIN KOGYO CO LTD) 18 August 1998 (1998-08-18) * abstract; figures 1-4 *	1, 2, 4, 7, 8

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 23 November 2020	Examiner Gavriliu, Alexandru
---------------------------	--	---------------------------------

### 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 18 88 83 61

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 23-11-2020  
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 6074600	A	13-06-2000	NONE	
KR 20030044589	A	09-06-2003	NONE	
US 2009200343	A1	13-08-2009	CA 2636783 A1 US 2009200343 A1	07-08-2009 13-08-2009
KR 20130047136	A	08-05-2013	NONE	
KR 20140085127	A	07-07-2014	NONE	
JP H10216909	A	18-08-1998	JP 3563222 B2 JP H10216909 A	08-09-2004 18-08-1998