

SUPPLEMENTARY EUROPEAN SEARCH **REPORT**

Application number: EP 20 87 04 90

Classification of the application (IPC): F16M 13/04, F16M 13/02, A45F 5/02, A41D 27/08, A44B 99/00 Technical fields searched (IPC): A45F, A41D, A41F, F16M, G03B, A44B

DOCUMENTS CONSIDERED TO BE RELEVANT						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim				
Х	US 5033170 A (EWERT ABRAM [CA]) 23 July 1991 (1991-07-23)	1, 3-11				
Α	* column 2, line 43 - column 3, line 52; figures 1-6 *	2, 12-15				
X	JP 3176416 U (-) 21 June 2012 (2012-06-21)	1-11				
Α	* paragraph [0025] - paragraph [0047]; figures 4, 5, 6, 7 *	12-15				
X A	US 2008047110 A1 (DOYLE KENNETH CLARK [US]) 28 February 2008 (2008-02-28) * paragraphs [0041] - [0048]; figures 1-6 *	1, 3-7, 9-11 2, 8, 12-15				
X A	US 5655271 A (MAXWELL-TRUMBLE SUSAN [US] ET AL) 12 August 1997 (1997-08-12) * column 2, line 63 - column 3, line 19; figures 1-5 *	1-11 12-15				
А	US 2016316900 A1 (HANCHETT MARK A [US] ET AL) 03 November 2016 (2016-11-03) * the whole document *	12-15				

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Date of completion of the search Place of search Examiner The Hague 05 September 2023 Breuil, Paul

CATEGORY OF CITED DOCUMENTS

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

ANNEX TO SUPPLEMENTARY EUROPEAN **SEARCH REPORT**

Application number: EP 20 87 04 90

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 05-09-2023

The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document in search repo		Publication date		Patent family member(s)	Publication date
US 5033170	Α	23-07-1991	CA US	1284422 C 5033170 A	28-05-1991 23-07-1991
JP 3176416	U	21-06-2012	NONE		
US 2008047110	A1	28-02-2008	NONE		
US 5655271	A	12-08-1997	NONE		
US 2016316900	A1	03-11-2016	EP US US US US US WO	3289841 A1 D838164 S 2016316900 A1 2018344015 A1 2019328120 A1 2020397128 A1 2023172347 A1 2016176151 A1	07-03-2018 15-01-2019 03-11-2016 06-12-2018 31-10-2019 24-12-2020 08-06-2023 03-11-2016