

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 80 0119

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	JP H03 103696 A (EBATA CO LTD) 30 April 1991 (1991-04-30)	1,2,4-6, 11	INV. F16L27/10
Y	* the whole document *	3,7-10, 12	
X	----- US 5 232 252 A (BARTHOLOMEW DONALD D [US]) 3 August 1993 (1993-08-03) * column 3, line 9 - column 4, line 12; figures 1,2 *	1	
Y	----- DE 78 19 692 U1 (EVERITUBE) 12 October 1978 (1978-10-12) * page 7, paragraph 4 - page 8, paragraph 1 *	3	
Y	----- DE 26 03 393 A1 (HEPWORTH IRON CO LTD) 19 August 1976 (1976-08-19) * page 2, paragraph 2; figure 1 *	7-9	
Y	----- FR 2 282 595 A1 (ARMOSIG [FR]) 19 March 1976 (1976-03-19) * figures 1,2,6B *	10,12	TECHNICAL FIELDS SEARCHED (IPC)
A	----- JP 2006 322515 A (MITSUBISHI PLASTICS IND) 30 November 2006 (2006-11-30) * abstract; figure 1 *	1-12	F16L
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 10 January 2018	Examiner Schlossarek, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 80 0119

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
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10-01-2018

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