



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 91 76 83

Classification of the application (IPC):

F16B 19/04, F16B 13/04, F16B 21/08, F16B 37/14, B62D 25/24, E04B 1/68

Technical fields searched (IPC):

F16B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	EP 1522741 A2 (NEWFREY LLC [US]) 13 April 2005 (2005-04-13) * Paragraphs 19,20,24,25,27,28; Claims 1,2,5,7,8; Figures 4-6 *	1-3
X	US 5851097 A (SHEREYK DAVID A [US] ET AL) 22 December 1998 (1998-12-22) * Claim 1; Figures 2A,2C,3,5 *	1-3
X	US 4524494 A (SATO YOUJI [JP] ET AL) 25 June 1985 (1985-06-25) * Figure 14; Column 5, lines 6-68 *	1-3
X	JP 2002081428 A (DAIWA KASEI IND CO LTD) 22 March 2002 (2002-03-22) * Abstract; paragraphs 9-15; figures 2-6 *	1

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 27 May 2020	Examiner Garmendia, Ion
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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

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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 27-05-2020
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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