



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 80 32 40

Classification of the application (IPC):
A43B 7/14, A43B 17/00, A43B 17/14, A43B 5/00, A63B 69/36

Technical fields searched (IPC):
A43B, A63B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 4823799 A (ROBBINS) 25 April 1989 (1989-04-25) * column 1, line 66 - column 4, line 46; figures 1a-2 *	1-15
X	US 5035068 A (BIASI) 30 July 1991 (1991-07-30) * the whole document *	1-15
X	DE 20314683 U1 (MUEHLHANS) 04 December 2003 (2003-12-04) * the whole document *	1-15
X	US 2009044424 A1 (KOHLER ET AL.) 19 February 2009 (2009-02-19) * the whole document *	1-15
X	US 9161591 B2 (LANDAU ET AL.) 20 October 2015 (2015-10-20) * column 2, line 47 - column 3, line 63; figures 1, 2 *	1-5, 8-13, 15
A	US 2014033565 A1 (ARUIN ET AL.) 06 February 2014 (2014-02-06) * paragraphs [0049] - [0054]; figures 1-6 *	1-5, 9-13

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 The Hague	Date of completion of the search 20 December 2019	Examiner Williams, Mark
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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 20-12-2019
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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US 9161591	B2	20-10-2015	NONE	
US 2014033565	A1	06-02-2014	NONE	