



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 19 87 60 19

**Classification of the application (IPC):**  
A63B 21/22, A63B 21/00, A63B 21/16

**Technical fields searched (IPC):**  
A63B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2014113779 A1 (LOACH ANDREW [GB]) 24 April 2014 (2014-04-24)	1, 3-6, 9-14
Y	* paragraphs [0002], [0017], [0086]-[0087], [0123]-[0124], [0134], [0136], [0161], [0172], [0177], [0179], [0183], [0185]-[0186], [0189]; figures 1-4, 14-15, 25-31, 35-43 *	2, 7, 8
X	US 2012065034 A1 (LOACH ANDREW ROBERT [GB]) 15 March 2012 (2012-03-15) * paragraphs [0002], [0015], [0064], [0069]-[0071], [0078]-[0080], [0091]; claim 12; figures 5, 8-14 *	1, 9-11, 13, 14
Y	US 2002086777 A1 (CHARNITSKI RICHARD D [US]) 04 July 2002 (2002-07-04) * paragraph [0061]; figure 1 *	2
Y	US 2016263461 A1 (KAY JOHN GORDON [US] ET AL) 15 September 2016 (2016-09-15) * paragraphs [0042]-[0043]; figure 1 *	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 27 June 2022	Examiner Vesin, Stéphane
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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 27-06-2022  
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