



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 84 06 65

Classification of the application (IPC):  
A63B 53/04, A63B 53/00, A63B 53/06

Technical fields searched (IPC):  
A63B

| DOCUMENTS CONSIDERED TO BE RELEVANT |   |                   |
|-------------------------------------|---|-------------------|
| Category                            | Citation of document with indication, where appropriate, of relevant passages   | Relevant to claim |
| Y                                   | WO 2017030991 A1 (KARSTEN MFG CORP [US])<br>23 February 2017 (2017-02-23)<br>* paragraph [0077] - paragraph [00189]; figures 1-88 * | 1-16, 20          |
| Y                                   | US 2017197121 A1 (FRANKLIN DAVID N [US] ET AL)<br>13 July 2017 (2017-07-13)<br>* paragraph [0019] - paragraph [0078]; figures 1-4 * | 1-6               |
| Y<br>A                              | US 6200229 B1 (GRACE ROBERT M [US] ET AL)<br>13 March 2001 (2001-03-13)<br>* column 2, line 38 - column 4, line 39; figures 1-9 *   | 7-16, 20<br>17-19 |

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

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|---------------------------|---|--------------------------------|
| Place of search<br>Munich | Date of completion of the search<br>09 March 2021 | Examiner<br>Jekabsons, Armands |
|---------------------------|---|--------------------------------|

### 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

Application number:  
EP 18 84 06 65

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 09-03-2021  
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| Patent document cited<br>in search report |    | Publication<br>date | Patent family<br>member(s) |               | Publication<br>date |
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| WO 2017030991                             | A1 | 23-02-2017          | GB                         | 2556594 A     | 30-05-2018          |
|   |    |                     | GB                         | 2589485 A     | 02-06-2021          |
|   |    |                     | WO                         | 2017030991 A1 | 23-02-2017          |
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|   |    |                     | US                         | 2018140911 A1 | 24-05-2018          |
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| US 6200229                                | B1 | 13-03-2001          | US                         | 6200229 B1    | 13-03-2001          |
|   |    |                     | WO                         | 0067854 A1    | 16-11-2000          |