

**SUPPLEMENTARY EUROPEAN SEARCH
REPORT**Application number:
EP 21 75 67 46Classification of the application (IPC):
A63B 49/00, A63B 102/04, A63B 60/00Technical fields searched (IPC):
A63B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X,D Y	CN 107115641 A (WU HUILIN) 01 September 2017 (2017-09-01) * paragraphs [0005], [0010]; figure 1 *	1-10, 12 13
X	WO 2019208344 A1 (YONEX CO LTD [JP]) 31 October 2019 (2019-10-31) * paragraphs [0021], [0033]; figures 1, 2A, 2B *	1, 11
X	CN 204815568 U (WU SHUMING) 02 December 2015 (2015-12-02) * figures 1-2 *	1
Y	JP 2014045947 A (GLOBERIDE INC) 17 March 2014 (2014-03-17) * the whole document *	13
E	WO 2021024617 A1 (SUMITOMO RUBBER IND [JP]) 11 February 2021 (2021-02-11) * paragraph [0051] - paragraph [0056]; figure 11 *	1, 11

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 08 January 2024	Examiner Vesin, Stéphane
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CATEGORY OF CITED DOCUMENTS

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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 08-01-2024
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN 107115641 A	01-09-2017	NONE	
WO 2019208344 A1	31-10-2019	CN 112041037 A EP 3785771 A1 JP 7085399 B2 JP 2019187956 A WO 2019208344 A1	04-12-2020 03-03-2021 16-06-2022 31-10-2019 31-10-2019
CN 204815568 U	02-12-2015	NONE	
JP 2014045947 A	17-03-2014	JP 5230835 B1 JP 2014045947 A	10-07-2013 17-03-2014
WO 2021024617 A1	11-02-2021	JP 7326978 B2 JP 2021023724 A WO 2021024617 A1	16-08-2023 22-02-2021 11-02-2021