



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 81 64 90

**Classification of the application (IPC):**  
A63H 33/10, F21V 1/12, F21V 1/14, A63H 33/08, A63H 33/16

**Technical fields searched (IPC):**  
A63H

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	KR 200406231 Y1 (*) 20 January 2006 (2006-01-20) * figures 2e, 7-8 *	1, 2, 4-8, 10 9
X	WO 2017042734 A1 (MARUSSI SIMON CARLO [IT]) 16 March 2017 (2017-03-16) * figures 1, 3, 5-6, 12-15 *	1-8, 10
X	US 2414716 A (CARSON LAWRENCE E) 21 January 1947 (1947-01-21) * figures 1-3 *	1, 2
Y	US 2016031592 A1 (HOLDER ROLY JOE [US]) 04 February 2016 (2016-02-04) * the whole document *	9
A	WO 2012026226 A1 (YOSHIRITSU KABUSHIKI KAISYA [JP]; KICHIJO HIROSHI [JP] ET AL.) 01 March 2012 (2012-03-01) * the whole document *	1-10
A	EP 2025379 A1 (YOSHIRITSU KABUSHIKI KAISHA [JP]) 18 February 2009 (2009-02-18) * the whole document *	1-10
A	EP 1642630 A1 (YOSHIRITSU KABUSHIKI KAISHA [JP]) 05 April 2006 (2006-04-05) * the whole document *	1-10
A	WO 2007136047 A1 (YOSHIRITSU KABUSHIKI KAISHA [JP]; KICHIJO HIROSHI [JP] ET AL.) 29 November 2007 (2007-11-29) * the whole document *	1-10

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 25 March 2021	Examiner Turmo, Robert
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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 25-03-2021  
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