



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 22 74 90 82

**Classification of the application (IPC):**  
B25B 19/00, B25B 21/00, B25F 5/00

**Technical fields searched (IPC):**  
B25B, B25F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	US 2011203821 A1 (PUZIO DANIEL [US] ET AL) 25 August 2011 (2011-08-25) * paragraph [0045] - paragraph [0051]; figures 17A,17B *	1-4 5-15
X,P	US 2021069875 A1 (HAIRUL BIN ABD MANAF [MY] ET AL) 11 March 2021 (2021-03-11) * paragraph [0038] - paragraph [0104]; figures 1-21 *	1-4
X A	DE 102012223664 A1 (BOSCH GMBH ROBERT [DE]) 26 June 2014 (2014-06-26) * paragraph [0022] - paragraph [0035]; figures 1,2 *	1-4 5-15
A	DE 102011084432 A1 (BOSCH GMBH ROBERT [DE]) 18 April 2013 (2013-04-18) * paragraph [0007]; figure 2a *	1

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 16 April 2024	Examiner Pothmann, Johannes
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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 16-04-2024.  
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