



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 73 87 74

Classification of the application (IPC):

B21D 51/38, B21D 51/44, B65B 35/58, B65G 47/24, B65G 47/244, B65G 47/252

Technical fields searched (IPC):

B21D

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	EP 1052039 A1 (SHOWA SEIKI CO LTD [JP]) 15 November 2000 (2000-11-15) * paragraph [0020] * * paragraph [0040] - paragraph [0042]; figures 6,7 *	1-4, 6-15
X	US 2015375943 A1 (ELLEFSON DEAN C [US] ET AL) 31 December 2015 (2015-12-31) * paragraph [0154] - paragraph [0157]; figure 10A *	1-4, 6-15

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 07 October 2019	Examiner Vesterholm, Mika
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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 07-10-2019
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1052039	A1	15-11-2000	NONE	
US 2015375943	A1	31-12-2015	NONE	