



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 91 07 26

Classification of the application (IPC):
B61B 3/00, B61F 5/04, B61F 5/16

Technical fields searched (IPC):
B61B, B61F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	US 3525306 A (EDEL ALFRED ET AL) 25 August 1970 (1970-08-25) * figures 1-3 * * column 2, line 72 - line 75 *	1-11, 15 12-14
X A	US 945750 A (BUTLER FRANK O [US] ET AL) 11 January 1910 (1910-01-11) * figures 1-3 * * page 1, column 2, line 71 - line 79 *	1-11, 15 12-14
X A	US 3081711 A (ALPHONSO DAVINO) 19 March 1963 (1963-03-19) * figures 2-4 * * column 3, line 16 - line 29 *	1-11, 15 12-14
X	US 1944100 A (MEDOR PETER J) 16 January 1934 (1934-01-16) * figures 1, 2, 4 *	1-15
X A	US 546928 A (LANGEN EUGEN [DE]) 24 September 1895 (1895-09-24) * figure 1 *	1-11, 15 12-14
A	US 5197390 A (RICHARDSON LYMAN [CA]) 30 March 1993 (1993-03-30) * figures 1-3 *	1-15

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 13 May 2020	Examiner Crama, Yves
---------------------------	---	-------------------------

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 |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 91 07 26

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 13-05-2020
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3525306	A	25-08-1970	NONE	
US 945750	A	11-01-1910	NONE	
US 3081711	A	19-03-1963	NONE	
US 1944100	A	16-01-1934	NONE	
US 546928	A	24-09-1895	NONE	
US 5197390	A	30-03-1993	NONE	