



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 84 03 58

Classification of the application (IPC):

B61L 3/08, B61L 1/20, B61L 3/16, B61L 19/06, B61L 23/30, B61L 15/00, B61L 3/12, H04W 4/42, H04W 4/44, H04L 29/08

Technical fields searched (IPC):

B61L

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2015060608 A1 (CARLSON RICHARD C [US] ET AL) 05 March 2015 (2015-03-05) * paragraph [0050] - paragraph [0063]; figures 1,2,3 * * paragraph [0074] - paragraph [0092]; figures 4,5,6 * * paragraph [0126] - paragraph [0146]; figure 9 * * abstract *	1-15
X	US 5950966 A (HUNGATE JOE BRYAN [US] ET AL) 14 September 1999 (1999-09-14) * abstract; figure 1 * * column 3 - column 5; figures 3,4 *	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 10 March 2021	Examiner Pita Priegue, Miguel
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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 10-03-2021
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 2015060608	A1	05-03-2015	CN 105813907 A	27-07-2016
			CN 107364434 A	21-11-2017
			US 2015060608 A1	05-03-2015
			US 2015329130 A1	19-11-2015
			US 2018362058 A1	20-12-2018
			US 2019300033 A1	03-10-2019
			WO 2015034923 A2	12-03-2015
US 5950966	A	14-09-1999	NONE	