

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/EP2017/083476

A. CLASSIFICATION OF SUBJECT MATTER  
 INV. B61L7/06 B61L19/06 B61L27/00 B61L15/00  
 ADD.  
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED  
 Minimum documentation searched (classification system followed by classification symbols)  
 B61L  
 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2014/005915 A1 (SMITH EUGENE A [US] ET AL) 2 January 2014 (2014-01-02) paragraph [0040] - paragraph [0068] paragraph [0001] paragraph [0005] - paragraph [0012] -----	1,2, 11-15
A	WO 2016/129086 A1 (MITSUBISHI ELECTRIC CORP [JP]) 18 August 2016 (2016-08-18) paragraph [0001] paragraph [0007] - paragraph [0008] paragraph [0036] - paragraph [0041] -----	1,2, 11-15

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search <b>26 April 2018</b>	Date of mailing of the international search report <b>16/07/2018</b>
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  <b>Janssen, Axel</b>
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2017/083476

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2014005915	A1	02-01-2014	
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