

INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2018/072395

A. CLASSIFICATION OF SUBJECT MATTER**B61L 3/00**(2006.01)i; **B61L 15/00**(2006.01)i; **B61L 27/00**(2006.01)i; **B61L 21/10**(2006.01)i

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	DE 19509696 A1 (SIEMENS AG [DE]) 12 September 1996 (1996-09-12) abstract column 2, line 18 - column 3, line 17 figure 1	1-7,9 8
X	DE 102009049081 A1 (SIEMENS AG [DE]) 07 April 2011 (2011-04-07) paragraph [0005] - paragraph [0006] paragraph [0008] - paragraph [0009] paragraph [0012] figure 1	1,2,5,9
X	EP 0958987 A2 (CIT ALCATEL [FR]) 24 November 1999 (1999-11-24) paragraph [0016] - paragraph [0020] paragraph [0022] - paragraph [0024] figure 1	1,2,5,9
A	DE 102016202743 A1 (SIEMENS AG [DE]) 24 August 2017 (2017-08-24) paragraph [0026] - paragraph [0029] figures 1,2	1-9

 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

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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

12 November 2018

Date of mailing of the international search report

22 November 2018

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2011172856 A1 (KULL ROBERT C [US]) 14 July 2011 (2011-07-14) paragraph [0022] paragraph [0026] - paragraph [0030] paragraph [0035] paragraph [0039] figures 1,5	1-9
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

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				WO	2011042321	A1	14 April 2011
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