



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 87 71 61

**Classification of the application (IPC):**  
B61L 23/00, B61L 27/00, B61L 23/30, B61L 23/14, B61L 19/06

**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	CN 106828541 A (UNIV BEIJING JIAOTONG) 13 June 2017 (2017-06-13) * paragraph [0017] - paragraph [0018] * * paragraph [0089] *	1-11
X	<b>WILHELM SCHMITZ:</b> "Security of Interlocking Systems for Railroad Track Switching" <i>ELECTRICAL COMMUNICATION</i> , 01 January 1967 (1967-01-01), vol. 42, no. 4, pages 524-540, XP001389951 * 1.3.4 Establishing Normal Position * * 1.4.4 Establishing Normal Position *	1-5, 7-11
X	<b>WERNER BUSCH ET AL:</b> "Der Zentralblock ZbS 600 - Aufbau und Schaltung -" <i>SIGNAL + DRAHT</i> , 01 December 1982 (1982-12-01), vol. 74, no. 12, pages 237-251, XP001390305 * 6.7 Das Auflösen der Fahrstrasse durch eine Zugfahrt *	1-5, 7-11

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 18 May 2020	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 18-05-2020  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN 106828541      A	13-06-2017	NONE	