



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 93 50 73

Classification of the application (IPC):
B61F 1/00, B61F 1/10, B61D 17/10, B61G 7/10

Technical fields searched (IPC):
B61F, B61G

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	EP 2130739 A1 (BOMBARDIER TRANSP GMBH [DE]) 09 December 2009 (2009-12-09) * paragraph [0041] - paragraph [0055]; figures 1-11 *	1-10
A	CN 103832446 B (CSR ZHUZHOU ELEC LOCO RES INST) 04 January 2017 (2017-01-04) * the whole document *	1-10

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 04 February 2021	Examiner Lendfers, Paul
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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 04-02-2021
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP 2130739	A1	09-12-2009	CN 102083668 A	01-06-2011
			EP 2130739 A1	09-12-2009
			ES 2440808 T3	30-01-2014
			PL 2130739 T3	28-02-2014
			WO 2009146942 A1	10-12-2009
CN 103832446	B	04-01-2017	NONE	