

Title (en)  
A rail train diagnostics system

Title (de)  
Schienenzugdiagnosesystem

Title (fr)  
Système de diagnostic de train ferroviaire

Publication  
**EP 2765053 A2 20140813 (EN)**

Application  
**EP 14154105 A 20140206**

Priority  
IE S20130043 A 20130206

Abstract (en)  
A train diagnostics system has an on-board control unit (2) linked by a local area network (30) to interfaces (31, 33, 35) to train systems and sensors (32, 34). A wireless interface (11) for transmission of diagnostics data from the on-board control unit. A ground-based server (3) receives diagnostics data and processes it to generate diagnostic reports. The wireless interface (11) transmits the diagnostics data in multiple channels, including a live data channel and a backfill data channel for data not successfully transmitted on the in real time channel. There is a separate software process for each of said real time and backfill channels, and the real time channel process automatically hands over to the backfill channel process a message for which a positive acknowledgement has not been received when transmitted on the live channel.

IPC 8 full level  
**B61L 15/00** (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP)  
**B61L 27/40** (2022.01); **B61L 27/50** (2022.01); **B61L 15/0027** (2013.01); **B61L 15/0081** (2013.01)

Citation (applicant)  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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DOCDB simple family (publication)  
**EP 2765053 A2 20140813; EP 2765053 A3 20150909; EP 2765053 B1 20161019; EP 2765053 B8 20161221; IE S20130043 A2 20130717; IE S86224 B2 20130717**

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