

Title (en)

Method and device for monitoring an operational status of a coupling device

Title (de)

Verfahren und vorrichtung zur überwachung eines betriebszustands einer kupplungsvorrichtung

Title (fr)

Procédé et dispositif de surveillance de l'état de fonctionnement d'un dispositif d'embrayage

Publication

EP 2420427 A3 20150415 (DE)

Application

EP 11175827 A 20110728

Priority

DE 102010035302 A 20100816

Abstract (en)

[origin: EP2420427A2] The method involves evaluating a clutch state signal (s1) by a control device (100), where an unwanted uncoupling of a vehicle (220) is closed, when the clutch state signal displays an uncoupled state, and a desired uncoupling process displays an uncoupling release signal (EF). The uncoupling release signal is formed as a standstill signal and as a function of velocity of a train (200) and velocity of the vehicles, where the formed uncoupling release signal depends on the standstill signal and pressure in a main air line of the train. An independent claim is also included for a control device comprising a control unit.

IPC 8 full level

B61L 15/00 (2006.01)

CPC (source: EP)

B61L 15/0036 (2013.01); **B61L 15/0054** (2013.01); **B61L 15/0081** (2013.01)

Citation (search report)

- [X] DE 102008034018 B3 20090730 - SIEMENS AG [DE]
- [A] DE 202006015627 U1 20070201 - AAIT ANLAGEN UND INDUSTRIETECH [DE]
- [A] US 2007145196 A1 20070628 - DAVENPORT DAVID M [US], et al
- [A] DE 102006005207 A1 20070809 - DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]

Cited by

CN105059310A; CN111824184A; EP3000688A1; FR2996705A1; EP4368473A1; EP2938528A4; NL2018143B1; US11535104B2; WO2023222358A1; WO2018128545A1; WO2023194349A1; WO2019100720A1

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)

BA ME

DOCDB simple family (publication)

EP 2420427 A2 20120222; **EP 2420427 A3 20150415**; **EP 2420427 B1 20170830**; DE 102010035302 A1 20120216; DE 102010035302 B4 20120510; DE 102010035302 C5 20150423; PL 2420427 T3 20180228; RU 2011133928 A 20130220; RU 2563095 C2 20150920

DOCDB simple family (application)

EP 11175827 A 20110728; DE 102010035302 A 20100816; PL 11175827 T 20110728; RU 2011133928 A 20110815