

Title (en)
DETECTION OF DERAILMENT BY DETERMINING THE RATE OF FALL

Title (de)
ENTGLEISUNGSDETEKTION DURCH FALLGESCHWINDIGKEITSBESTIMMUNG

Title (fr)
DETECTION DE DERAILLEMENT PAR DETERMINATION DE LA VITESSE DE CHUTE

Publication
EP 1622802 B2 20120530 (DE)

Application
EP 04733271 A 20040517

Priority
• AT 2004000173 W 20040517
• AT 7462003 A 20030515

Abstract (en)
[origin: WO2004101343A1] The invention relates to a method and device for recognizing a derailment state of wheel (RAD) of a railway vehicle, in which the acceleration of the wheel (RAD) perpendicular to a rail plane (epsilon) is measured by at least one acceleration sensor (SEN). A rate of fall (FAG) of the wheel (RAD) in the direction of the rail plane (epsilon) is determined based on an acceleration signal (BSI), which is produced by the acceleration sensor (SEN), by simple integration (INT) of a value that can be predetermined over a time window, and the existence of a derailed state is verified based on the determined rate of fall (FAG).

IPC 8 full level
B61F 9/00 (2006.01); **B61K 13/00** (2006.01)

CPC (source: EP KR US)
B61F 9/005 (2013.01 - EP US); **B61K 13/00** (2013.01 - EP US); **B61L 23/00** (2013.01 - KR)

Citation (opposition)
Opponent :
DE 19953677 C1 20010621 - DEUTSCHE BAHN AG [DE]

Cited by
WO2015086456A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004101343 A1 20041125; AT 413974 B 20060715; AT A7462003 A 20051115; AT E342832 T1 20061115; AU 2004238391 A1 20041125; AU 2004238391 B2 20100513; CA 2524448 A1 20041125; CA 2524448 C 20100119; CN 100453374 C 20090121; CN 1787941 A 20060614; DE 502004001814 D1 20061130; EP 1622802 A1 20060208; EP 1622802 B1 20061018; EP 1622802 B2 20120530; EP 1622802 B8 20120815; ES 2274454 T3 20070516; ES 2274454 T5 20120712; KR 101126575 B1 20120320; KR 20060006834 A 20060119; NO 20054846 D0 20051020; NO 20054846 L 20060109; NO 334274 B1 20140127; PT 1622802 E 20070131; RU 2005139126 A 20060510; RU 2301167 C2 20070620; US 2006122745 A1 20060608; US 7937192 B2 20110503

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AT 2004000173 W 20040517; AT 04733271 T 20040517; AT 7462003 A 20030515; AU 2004238391 A 20040517; CA 2524448 A 20040517; CN 200480012943 A 20040517; DE 502004001814 T 20040517; EP 04733271 A 20040517; ES 04733271 T 20040517; KR 20057021147 A 20040517; NO 20054846 A 20051020; PT 04733271 T 20040517; RU 2005139126 A 20040517; US 27340805 A 20051114