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 A1 20060208 (DE)

Application
　　EP 04733271 A 20040517

Priority
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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).

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　　B61F 9/00; B61K 13/00

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 (search report)
　　See references of WO 2004101343A1

Cited by
　　WO2015086456A1

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