

Title (en)

System for detecting characteristics of passing railway vehicles

Title (de)

System zur Erfassung von Eigenschaften vorbeifahrender Schienenfahrzeuge

Title (fr)

Système de détection de caractéristiques de véhicules ferroviaires passant

Publication

EP 2647543 B2 20200812 (DE)

Application

EP 13001672 A 20130402

Priority

DE 102012006844 A 20120404

Abstract (en)

[origin: EP2647543A1] The system (10) has a measuring unit (12) for temperature measurement of wheel sets of a rail vehicle passing on a rail. A load sensor monitors the measurement unit and detects mechanical loads acting on the measurement unit. A temperature sensor (26) and a humidity sensor (28) measure an internal state value of the measurement unit. The load sensor, the temperature sensor and the humidity sensor are connected to an evaluation unit (30), which is adapted to determine a value representing a load state of the measurement unit. The load sensor is designed as an acceleration sensor (22), a force sensor, a piezoelectric sensor, a magnetic-inductive sensor, a micromechanical sensor, a strain gauge and an optical waveguide sensor.

IPC 8 full level

B61K 9/04 (2006.01); **B61L 1/20** (2006.01)

CPC (source: EP)

B61K 9/04 (2013.01); **B61L 1/20** (2013.01)

Cited by

CN107719413A; DE102017122774A1; US10894551B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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