Title (en)
  GUIDEWAY MOUNTED VEHICLE LOCALIZATION SYSTEM

Title (de)
  ORTUNGSSYSTEM FÜR AUF FÜHRUNGSBAHN MONTIERTES FAHRZEUG

Title (fr)
  SYSTÈME DE LOCALISATION DE VÉHICULE MONTÉ SUR GUIDAGE

Publication
  EP 3594086 A2 20200115 (EN)

Application
  EP 19195002 A 20160301

Priority
  • US 201514639290 A 20150305
  • EP 16758529 A 20160301
  • IB 2016051132 W 20160301

Abstract (en)
  A system comprises a speed detector, a marker sensor, a controller, a sensor unit, and a processor. The speed detector is configured to generate speed data associated with a movement of a vehicle. The marker sensor is configured to generate marker data based on a detection of an object along a wayside of a guideway. The controller is configured to calculate a distance the vehicle moved, generate location information, and generate an indication the vehicle is stationary. The sensor unit comprises an accelerometer, a gyroscope, and a magnetometer. The sensor unit is configured to generate sensor data based on information gathered by one or more of the accelerometer, the gyroscope, or the magnetometer. The processor is configured to process the sensor data to determine a vehicle position based on the sensor data and the location information. The controller is further configured to compare the location information with the vehicle position.

IPC 8 full level
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CPC (source: EP)
  B61L 15/0062 (2024.01); **B61L 23/041** (2013.01); **B61L 25/021** (2013.01); **B61L 25/025** (2013.01); **B61L 25/026** (2013.01); **B61L 25/028** (2013.01); **B61L 27/40** (2022.01)

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  WO2022162563A1

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DOCDB simple family (publication)
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