

Title (en)

A system and method for providing reliable collision hazard detection

Title (de)

System und Verfahren zum Bereitstellen einer zuverlässigen Kollisionsgefahrerkennung

Title (fr)

Système et procédé pour la fourniture d'une détection fiable du risque de collision

Publication

**EP 2078659 B1 20110615 (EN)**

Application

**EP 08169286 A 20081117**

Priority

US 638408 P 20080110

Abstract (en)

[origin: EP2078659A2] In accordance with an embodiment of the invention, there is provided a system for detecting a collision hazard at a predefined area along a railroad including, one or more conductive loops, one or more train detectors, railway control interface and a processing unit. The one or more inductive loops may be adapted to sense a presence of a potentially hazardous object within the predefined area of the railroad and may be adapted to provide information indicative of a progress of the potentially hazardous object through the predefined area or a lack thereof. The one or more train detectors may be adapted to indicate a train approaching the system. The railway control interface may be adapted to receive railway control information that is indicative of an approach by a train to the predefined area and/or that is indicative of a passage of a train through the predefined area. The processing unit may be adapted to process data received from the one or more inductive loops, from the one or more train detectors and from the railway control interface. The processing unit may be adapted to switch from a standby state to an alert state when it is determined that a potentially hazardous object is substantially immobile while within the predefined area; and the processing unit may be adapted to switch from the standby state or from the alert state to an alarm state when it is determined that while a train is approaching the predefined area or while a train is passing through the predefined area, there is a potentially hazardous object within the predefined area.

IPC 8 full level

**B61L 29/30** (2006.01)

CPC (source: EP)

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Cited by

FR3050426A1; FR3103442A1; GB2498564A; GB2498564B; EP2617623A3; WO2011106834A1; WO2017021932A1; WO2021105211A1

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DOCDB simple family (publication)

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