

Title (en)

SYSTEMS FOR RAILROAD SWITCH POSITION DETECTION

Title (de)

SYSTEME ZUR ERKENNUNG DER POSITION VON EISENBAHNWEICHEN

Title (fr)

SYSTÈMES DE DÉTECTION DE POSITION D'AIGUILLAGE DE CHEMIN DE FER

Publication

EP 3986767 A1 20220427 (EN)

Application

EP 20826508 A 20200619

Priority

- US 201962864820 P 20190621
- US 2020070159 W 20200619

Abstract (en)

[origin: WO2020257824A1] The present disclosure includes a portable rail safety system configured to determine a position of a rail switch. The rail safety system may include a rail switch detector, one or more rail switch beacons, a work block marker, a personal alert device, a collision avoidance system or combination thereof. In some aspects rail switch detector includes a first detector configured to be positioned between switch rails of a rail track and having a body, a first sensor coupled to the body and configured to detect a first switch rail tip of the switch rails, and a controller configured to calculate a first distance between the first sensor and the first switch rail tip and based on the first distance, determine a position of the switch rails between a first position and a second position.

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

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US 2020070159 W 20200619; AU 2020296131 A 20200619; CA 3144768 A 20200619; EP 20826508 A 20200619; US 202016946411 A 20200619