

Title (en)  
Train stop detection system

Title (de)  
Zughalterkennungssystem

Title (fr)  
Système de détection de l'arrêt d'un train

Publication  
**EP 2159129 A3 20110216 (EN)**

Application  
**EP 09252016 A 20090818**

Priority  
JP 2008218957 A 20080828

Abstract (en)  
[origin: EP2159129A2] In the control of a conventional interlocking device and platform screen door, even when a train is actually stopped, the stop of the train cannot be detected until a predetermined allowance time elapses, so that in spite of the fact that a preceding train is stopped, a route for a succeeding train cannot be secured, and thereby the succeeding train is delayed more than needed. A train stop detection system according to the present invention is featured by including: a track circuit 20 which detects that a train is present in a specific section; a non-contact type sensor 3 which detects the speed of the train; a stop detection device which detects the stop of the train on the basis of a train occupancy signal output from the track circuit and the train speed detected by the sensor, and which generates a stop detection signal; and an interlocking device which controls a ground facility on the basis of the stop detection signal, and is featured in that the sensor is positioned before a predetermined train stop position in the train travel direction and is arranged so as to be close to the train.

IPC 8 full level  
**B61L 25/02** (2006.01)

CPC (source: EP)  
**B61L 1/163** (2013.01); **B61L 25/025** (2013.01)

Citation (search report)  
[X] EP 0989408 A1 20000329 - VOSSLOH MAN SYSTEMELEKTRONIK G [DE]

Cited by  
WO2017008785A1; EP3042824A1; DE102015116816A1; CN107848543A; WO2015028318A1; WO2016198240A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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