

Title (en)

Automatic open/close operation system for train door

Title (de)

Automatisches Steuerungssystem für das Öffnen/ Schliessen von einer Tür eines Zuges

Title (fr)

Système de commande automatique pour l'ouverture/la fermeture d'une porte d'un train.

Publication

**EP 0855324 A2 19980729 (EN)**

Application

**EP 98100745 A 19980116**

Priority

JP 909797 A 19970122

Abstract (en)

An automatic train door open/close system includes a person recognition apparatus 1 for recognising the presence of person near the train door 4, implementing timetable control means 21 for controlling the operation of the train based on a train timetable, means 22 for detecting a timing for closing the door based on the person recognition apparatus at the departure of the train, a control output editing means 23 for outputting open/close control signals to the train door by editing control information on the door close operation, and a detected result display apparatus 3 for indicating whether or not the timing for closing the door is detected. When a timing for closing the cannot be detected by any reason, such as crowded passengers or the like, this condition is informed to the train operator, and a manual door close operation is proposed after confirming the condition near the door. Safety of the passengers is thus ensured. <IMAGE>

IPC 1-7

**B61D 19/02**; **E05F 15/00**

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

JP H0415159 A 19920120 - TOSHIBA CORP

Cited by

CN109779441A; EP1382506A1; US2015298711A1; US8818583B2; EP2778014A1; FR3003224A1; CN104044609A; WO2004078552A1; US9926148B2; US10934113B2; US10032380B2; US10614718B2

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