

Title (en)

LEVEL CROSSING SAFETY PROTECTION METHOD AND SYSTEM

Title (de)

SCHUTZVERFAHREN UND -SYSTEM FÜR BAHNÜBERGANGSSICHERHEIT

Title (fr)

PROCÉDÉ ET SYSTÈME DE PROTECTION DE LA SÉCURITÉ DE PASSAGE À NIVEAU

Publication

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Application

**EP 21759003 A 20210629**

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Abstract (en)

The present invention provides a method and a system for safety protection of a level crossing. The method includes: sending a closing command to the system for protection of a level crossing; determining a protection state of a level crossing according to a closing command execution condition, the protection state including a protected state or an unprotected state; acquiring level crossing information, the level crossing information including a stopping sign and a level crossing limit speed when the protection state is the unprotected state; and making a train stop first and then travel through the level crossing or travel through the level crossing without stopping according to the stopping sign and the level crossing limit speed when the protection state is the unprotected state. The method and the system for a safety protection of a level crossing of the present invention enable closing and reopening of the level crossing through a signal system with a high degree of automation, and enable to control trains to safely travel through the level crossing accordingly according to different states of the level crossing, so as to improve efficiency of travelling through the level crossing of the trains.

IPC 8 full level

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