

Title (en)
SAFETY DEVICE FOR TRAIN PLATFORMS

Title (de)
SICHERHEITSVORRICHTUNG FÜR BAHNSTEIGE

Title (fr)
DISPOSITIF DE SECURITE POUR PLATES-FORMES DE TRAIN

Publication
EP 1848620 A1 20071031 (EN)

Application
EP 05773988 A 20050811

Priority
• KR 2005002604 W 20050811
• KR 20050011786 A 20050214
• KR 20050064187 A 20050715

Abstract (en)
[origin: WO2006085706A1] Disclosed is a safety device for train platforms, which is installed on a safety line of a platform of a subway station or a railway station so as to be raised and lowered. When a train has reached to boarding position of the platform, wire ropes (200) of the device are raised to allow passengers to board. When the train departs from the platform after the passengers have finished boarding, the wire ropes (200) are lowered to ensure the safety of passengers remaining on the platform. The safety device includes a wire rope raising/lowering means (100), two or more wire ropes (200), a wire rope holding means (300), and a wire rope control means (400). The wire rope raising/lowering means (100) has frames (110) secured upright at predetermined positions between a train entrance and a train exit of a platform which a train approaches, with a movable assembly (130) provided in each of the frames (110) so as to be moved upwards and downwards along the frame by a drive means (120). Each of the two or more wire ropes (200), extending between the frames (110), is connected at each end thereof to the movable assembly. The wire rope holding means (300) has a plurality of support pillars (310) installed on the platform at regular intervals between the frames (110), with a guide means (320) provided in each of the support pillars (310) to prevent the wire ropes (200) from sagging and to ensure smooth vertical movement of the wire ropes. The wire rope control means (410) senses the arrival and departure of a train at and from the platform and operates the drive means so as to raise and lower the wire ropes.

IPC 8 full level
B61B 1/02 (2006.01); **E01F 1/00** (2006.01)

CPC (source: EP US)
B61B 1/02 (2013.01 - EP US)

Citation (search report)
See references of WO 2006085706A1

Designated contracting state (EPC)
CH DE FR GB IT LI SE

DOCDB simple family (publication)
WO 2006085706 A1 20060817; EP 1848620 A1 20071031; US 2008098924 A1 20080501

DOCDB simple family (application)
KR 2005002604 W 20050811; EP 05773988 A 20050811; US 72289905 A 20050811