

Title (en)  
SYSTEM AND METHOD FOR PASSENGERS TO BOARD ON AND EXIT FROM A TRAIN WITHOUT THE TRAIN STOPPING AT A TRAIN STATION

Title (de)  
SYSTEM UND VERFAHREN FÜR PASSAGIERE ZUM EINSTEIGEN IN UND AUSTEIGEN AUS EINEM ZUG OHNE ANHALTEN DES ZUGES IN EINEM BAHNHOF

Title (fr)  
SYSTÈME ET PROCÉDÉ PERMETTANT AUX PASSAGERS D'ENTRER ET DE SORTIR D'UN TRAIN SANS QUE LE TRAIN NE S'ARRÊTE DANS UNE GARE

Publication  
**EP 2957478 A1 20151223 (EN)**

Application  
**EP 15001767 A 20150616**

Priority  
EE P201400024 A 20140619

Abstract (en)  
The faster arrival of the train at the destination without speeding up the train is accomplished at the expense of passengers boarding on and exiting from the train without the train stopping at train stations, which is done by swapping cars. One car (1), in which passengers wishing to exit from the train is located in the very rear of the fast moving train (3). Another car (2), in which passengers wishing to begin their journey on the train (3), which is travelling at high speeds on a main track (5), is located in front of a train station (4). The swap between the cars occurs automatically by means of a dedicated power line (7), which is located above the main track (5). This power line (7) is supplied with low-voltage high-frequency current. By means of high-frequency low-voltage current, the car (1) in the very rear of the fast moving train is uncoupled at the moment when the current sensor / current collector makes contact with this power line (7), and at the same time, by means of the same dedicated power line (7), the other car (2), standing in front of the station (4) with passengers, is started up automatically. The other car (2) crosses the switch area on the approach track (6) of the train station (4), reaches the main track (5), speeds up, catches up to the train (3) and couples with it on the move. The uncoupled car (1) is stopped on the main track (5) and manoeuvred to the train station (4), with passengers exiting from the car (1) at the train station (4).

IPC 8 full level  
**B61K 1/00** (2006.01)

CPC (source: EP)  
**B61K 1/00** (2013.01)

Citation (applicant)  

- DE 3911683 A1 19901018 - CHRISTOPH BERTRAM DIPL PSYCH [DE]
- US 2013153714 A1 20130620 - QU JACK [US], et al
- TW 200918378 A 20090501 - PENG YU-LUN [TW]
- CN 202827571 U 20130327 - QUAN HAILIN
- CN 101423064 A 20090506 - JIANGJIE HE [CN]
- CN 101480954 A 20090715 - KAIMIN HAN [CN]

Citation (search report)  

- [XAI] US 2003167960 A1 20030911 - ROSENBLATT JOEL H [US]
- [A] DE 2054063 A1 19710616 - AUTOMATISME & TECHNIQUE
- [AD] CN 202827571 U 20130327 - QUAN HAILIN
- [AD] CN 101423064 A 20090506 - JIANGJIE HE [CN]

Cited by  
CN108583618A; CN110406545A; CN106184236A; CN108725506A; CN110329304A; CN111469861A; CN115027525A

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2957478 A1 20151223**; **EP 2957478 B1 20180103**; EE 05774 B1 20160715; EE 201400024 A 20160115; LT 2957478 T 20180425; PL 2957478 T3 20180629

DOCDB simple family (application)  
**EP 15001767 A 20150616**; EE P201400024 A 20140619; LT 15001767 T 20150616; PL 15001767 T 20150616