

Title (en)  
METHOD FOR DISPLAYING INFORMATION ABOUT THE OPERATION OF A RAIL VEHICLE FOR TRAFFIC PARTICIPANTS

Title (de)  
VERFAHREN ZUR DARSTELLUNG VON INFORMATIONEN FÜR VERKEHRSTEILNEHMER ÜBER DEN BETRIEB EINES  
SCHIENENFAHRZEUGS

Title (fr)  
PROCÉDÉ POUR PRÉSENTER À DES USAGERS DE LA ROUTE DES INFORMATIONS CONCERNANT LE FONCTIONNEMENT D'UN  
VÉHICULE FERROVIAIRE

Publication  
**EP 3079966 B2 20230322 (DE)**

Application  
**EP 14816183 A 20141210**

Priority  
• DE 102013225674 A 20131211  
• EP 2014077275 W 20141210

Abstract (en)  
[origin: WO2015086702A2] The invention relates to a method for displaying information about the operation of a rail vehicle (1) for other traffic participants, comprising projecting at least one free area (6, 7, 8, 9) that can be stepped on and/or driven on onto the surface of a travel path (10) of a first rail vehicle, wherein the at least one free area (6, 7, 8, 9) that can be stepped on and/or driven on is projected from the first rail vehicle by means of a projection device (2a-2h). The invention further relates to a rail vehicle (1), in particular a streetcar, having a device for projecting a free area that can be stepped on and/or driven on onto the surface of a travel path (10) of the rail vehicle.

IPC 8 full level  
**B61D 29/00** (2006.01); **B61L 23/00** (2006.01); **B61L 29/00** (2006.01)

CPC (source: CN EP)  
**B61D 29/00** (2013.01 - CN EP); **B61L 23/00** (2013.01 - CN EP); **B61L 29/00** (2013.01 - CN EP)

Citation (opposition)  
Opponent :  
• EP 1334871 A2 20030813 - TOYOTA MOTOR CO LTD [JP]  
• WO 2011029673 A1 20110317 - SIEMENS AG [DE], et al

Cited by  
DE102018002541A1

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

DOCDB simple family (publication)  
**DE 102013225674 A1 20150611**; **DE 102013225674 B4 20151015**; **DE 102013225674 C5 20181213**; CN 106103233 A 20161109;  
CN 106103233 B 20180821; EP 3079966 A2 20161019; EP 3079966 B1 20180314; EP 3079966 B2 20230322; ES 2673014 T3 20180619;  
ES 2673014 T5 20230830; PL 3079966 T3 20181031; PL 3079966 T5 20230821; WO 2015086702 A2 20150618; WO 2015086702 A3 20150730

DOCDB simple family (application)  
**DE 102013225674 A 20131211**; CN 201480067529 A 20141210; EP 14816183 A 20141210; EP 2014077275 W 20141210;  
ES 14816183 T 20141210; PL 14816183 T 20141210