

Title (en)

RAIL VEHICLE COMPRISING A FROST-PROOF WATER OUTLET PIPE

Title (de)

SCHIENENFAHRZEUG MIT EINER FROSTGESCHÜTZTEN WASSERAUSLASSLEITUNG

Title (fr)

VÉHICULE FERROVIAIRE MUNI D'UNE CONDUITE D'ÉVACUATION DES EAUX PROTÉGÉE CONTRE LE GEL

Publication

EP 2782487 A1 20141001 (DE)

Application

EP 13700373 A 20130111

Priority

- DE 102012201851 A 20120208
- EP 2013050436 W 20130111

Abstract (en)

[origin: CA2863917A1] The invention relates to a rail vehicle comprising a water outlet pipe (1), the end piece (2) of which is connected to an opening (4) in a floor plate (5) of the rail vehicle, wherein at the end piece (2) a heated plate (7) is provided that is parallel to the floor plate (5) and that comprises an opening (8) that is adapted to a free cross-section of the end piece (2) of the water outlet pipe (1).

IPC 8 full level

A47K 11/00 (2006.01); **B61D 35/00** (2006.01); **F16L 53/34** (2018.01); **F16L 53/38** (2018.01)

CPC (source: EP RU US)

A47K 11/00 (2013.01 - EP US); **B61D 27/0036** (2013.01 - US); **B61D 35/00** (2013.01 - EP US); **B61D 35/00** (2013.01 - RU); **F16L 53/34** (2017.12 - EP US); **F16L 53/38** (2017.12 - EP US); **Y10T 137/6877** (2015.04 - EP US)

Citation (search report)

See references of WO 2013117377A1

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 102012201851 A1 20130808; CA 2863917 A1 20130815; CN 204379137 U 20150610; EP 2782487 A1 20141001; RU 2014136114 A 20160327; RU 2624485 C2 20170704; US 2015013782 A1 20150115; US 9381925 B2 20160705; WO 2013117377 A1 20130815

DOCDB simple family (application)

DE 102012201851 A 20120208; CA 2863917 A 20130111; CN 201390000251 U 20130111; EP 13700373 A 20130111; EP 2013050436 W 20130111; RU 2014136114 A 20130111; US 201314377514 A 20130111