

Title (en)

RAIL VEHICLE COMPRISING A LOWER BASE PLATE HAVING A DRAINAGE DEVICE

Title (de)

SCHIENENFAHRZEUG MIT EINER ENTWÄSSERUNGSVORRICHTUNG AUFWEISENDEN UNTERBODENPLATTE

Title (fr)

VÉHICULE FERROVIAIRE COMPORTANT UNE PLAQUE DE PLANCHER POURVUE D'UN DISPOSITIF D'ÉCOULEMENT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2016034505A1] The invention relates to a rail vehicle comprising a lower base plate (1; 20) provided with at least one continuous drainage hole (2;22) for discharging fluid collected on the lower base plate (1;20), wherein an outlet opening (3) of the drainage hole (2;22) is connected to an inlet opening (6) in an upper side of a collection container (4; 23; 29), having flexible walls (11; 25) such that the internal volume and the internal pressure thereof can be changed by the influence of external forces occurring in the driving operation of the rail vehicle, wherein the collection container (4; 23; 29) has a moving drainage diaphragm (12) on the side thereof assigned to the at least one drainage hole (2;22), said drainage diaphragm being arranged in such a way that it seals the inlet opening (6) of the collection container (4; 23; 29) from inside the collection container (4; 23; 29) when the internal pressure increases, but releases same when the internal pressure lowers, and an outlet diaphragm (14) is provided on a lower wall of the collection container (4; 23; 29), said outlet diaphragm being arranged in such a way that it seals an outlet opening (10;28) in the lower wall of the collection container (4; 23; 29) from outside the collection container (4; 23; 29) when the internal pressure lowers, but releases same when the internal pressure increases in order to discharge fluid from the collection container (4; 23; 29).

IPC 8 full level

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