

Title (en)

TRANSPORT VEHICLE WITH AN AIR CONDITIONING SYSTEM USING AN ABSORPTION REFRIGERATOR

Title (de)

TRANSPORTFAHRZEUG MIT EINEM KLIMATISIERUNGSSYSTEM MIT VERWENDUNG EINER ABSORPTIONSKÄLTEINRICHTUNG

Title (fr)

VÉHICULE DE TRANSPORT DOTÉ D'UN SYSTÈME DE CONDITIONNEMENT D'AIR UTILISANT UN RÉFRIGÉRATEUR À ABSORPTION

Publication

EP 3594080 B1 20210217 (EN)

Application

EP 18305900 A 20180709

Priority

EP 18305900 A 20180709

Abstract (en)

[origin: EP3594080A1] This transport vehicle (2) comprises: an air-conditioning system (12) for conditioning the air inside the transport vehicle, said air-conditioning system having an absorption refrigeration machine (32) for cooling the air inside the transport vehicle; an internal combustion engine (4), said internal combustion engine being equipped with a fuel injection system (6) and an exhaust line (8). The absorption refrigeration machine (32) is thermally connected to the exhaust line in order to use the heat of hot exhaust gases for said cooling; and a heat measuring device (10) for measuring the amount of heat in the exhaust gases. The vehicle comprises an engine fuel post-injection controller (13) for controlling the post-injection of fuel into said engine (4), said engine fuel post-injection controller being adapted to: receive a heat signal from said heat measuring device (10); if the heat signal is below a predetermined threshold, control said fuel injection system (6) to post-inject an additional amount of fuel into the internal combustion engine (4). Application to railway vehicles.

IPC 8 full level

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CPC (source: EP)

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