

Title (en)

VEHICLE DRIVE SYSTEM, AND METHOD FOR OPERATING A VEHICLE DRIVE SYSTEM

Title (de)

FAHRZEUGANTRIEBSSYSTEM UND VERFAHREN ZUM BETRIEB EINES FAHRZEUGANTRIEBSSYSTEMS

Title (fr)

SYSTÈME PROPULSEUR DE VÉHICULE ET PROCÉDÉ DE FONCTIONNEMENT DE CE DERNIER

Publication

**EP 3329112 A1 20180606 (DE)**

Application

**EP 16753256 A 20160721**

Priority

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- EP 2016067387 W 20160721

Abstract (en)

[origin: CA2993475A1] Disclosed is a vehicle drive system comprising an internal combustion engine for driving a vehicle, the internal combustion engine comprising a combustion chamber equipped with injectors for injecting diesel fuel into the combustion chamber; the vehicle drive system further comprises an electrolysis chamber for producing hydrogen gas and oxygen gas, and a vacuum pump for sucking the hydrogen gas and the oxygen gas off the electrolysis chamber. The vehicle drive system also comprises a gasification tank in which volatile organic compounds, in particular methanol or ethanol, are gasified, and a supply line for delivering a gas mixture to the combustion chamber, said gas mixture comprising gasified organic compounds and at least some of the hydrogen gas and of the oxygen gas. The invention further relates to a corresponding method for operating a vehicle drive system.

IPC 8 full level

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