

Title (en)

Vehicle comprising an exhaust purification device for a compression ignition type internal combustion engine

Title (de)

Fahrzeug umfassend eine Abgasreinigungsvorrichtung für einen Kompressionszündungs-Verbrennungsmotor

Title (fr)

Véhicule comprenant un épurateur d'échappement pour un moteur à combustion interne à allumage par compression

Publication

EP 2058198 B8 20110302 (EN)

Application

EP 08704217 A 20080124

Priority

- JP 2008051464 W 20080124
- JP 2007016196 A 20070126

Abstract (en)

[origin: EP2058198A1] In an internal combustion engine, the engine is formed so that an output of an electric motor (27) can be superposed on an output of the engine. An SO X trap catalyst (13) able to trap the SO X contained in the exhaust gas is arranged inside the engine exhaust passage upstream of the NO X storage catalyst (14). The vehicle drive power from the engine and the vehicle drive power from the electric motor (27) are adjusted so that the SO X trap rate of the SO X trap catalyst (13) is maintained at a predetermined high SO X trap rate.

IPC 8 full level

B60W 10/06 (2006.01); **B01D 53/86** (2006.01); **B01D 53/94** (2006.01); **B60K 6/445** (2007.10); **B60W 20/00** (2006.01); **F01N 3/08** (2006.01); **F01N 3/20** (2006.01); **F01N 3/24** (2006.01); **F01N 3/28** (2006.01); **F02D 29/02** (2006.01); **F02D 43/00** (2006.01); **F02D 45/00** (2006.01)

CPC (source: EP US)

B01D 53/94 (2013.01 - EP US); **B60K 6/445** (2013.01 - EP US); **B60K 6/48** (2013.01 - EP US); **B60W 10/06** (2013.01 - EP US); **B60W 10/08** (2013.01 - EP US); **B60W 20/00** (2013.01 - EP); **B60W 20/15** (2016.01 - US); **F01N 3/0842** (2013.01 - EP US); **F01N 3/085** (2013.01 - EP US); **F01N 13/009** (2014.06 - EP US); **F02D 41/0285** (2013.01 - EP US); **B01D 2257/302** (2013.01 - EP US); **B01D 2259/4566** (2013.01 - EP US); **B60W 2510/0628** (2013.01 - US); **B60W 2510/0657** (2013.01 - US); **B60Y 2400/435** (2013.01 - EP US); **F01N 2570/04** (2013.01 - EP US); **F01N 2610/03** (2013.01 - EP US); **F02D 41/0055** (2013.01 - EP US); **F02D 2041/026** (2013.01 - EP US); **F02D 2200/0802** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US); **Y02T 10/40** (2013.01 - EP US); **Y02T 10/62** (2013.01 - EP US)

Cited by

FR2957578A1; WO2011114028A1

Designated contracting state (EPC)

DE FR

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EP 2058198 A1 20090513; **EP 2058198 A4 20091202**; **EP 2058198 B1 20101222**; **EP 2058198 B8 20110302**; CN 101547818 A 20090930; DE 602008004055 D1 20110203; JP 2008179330 A 20080807; JP 4172519 B2 20081029; US 2009188238 A1 20090730; WO 2008091019 A1 20080731

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