

Title (en)
MOTOR VEHICLE WITH AN INTERNAL COMBUSTION ENGINE

Title (de)
KRAFTFAHRZEUG MIT EINER BRENNKRAFTMASCHINE

Title (fr)
VEHICULE DOTE D'UN MOTEUR A COMBUSTION INTERNE

Publication
EP 1222372 A1 20020717 (DE)

Application
EP 00964224 A 20000922

Priority
• DE 19948148 A 19991007
• EP 0009279 W 20000922

Abstract (en)
[origin: WO0125603A1] The invention relates to a motor vehicle comprising an internal combustion engine with catalytic exhaust gas control by means of a pre-catalyst that is inserted behind an exhaust manifold and a main catalyst, especially an NOx storage catalyst, that is arranged in the exhaust gas flow and behind the pre-catalyst. The catalytic exhaust gas control over an enlarged engine operation area can be optimised by arranging an air conveying shaft (1) in the motor vehicle. Said shaft is provided with an inlet (2) in the front area of the motor vehicle. The end of said shaft is directed towards the exhaust manifold (9) and/or an exhaust gas cooling device. The air conveying shaft is provided with a controllable switch flap (3, 4) in the area of the inlet (2).

IPC 1-7
F01N 3/28; **F01N 3/20**

IPC 8 full level
F01N 3/05 (2006.01); **F01N 3/20** (2006.01); **F01N 3/28** (2006.01); **F01N 13/08** (2010.01)

CPC (source: EP)
F01N 3/05 (2013.01); **F01N 3/2006** (2013.01); **F01N 3/2046** (2013.01); **F01N 3/2889** (2013.01); **F01N 2260/022** (2013.01); **Y02A 50/20** (2017.12); **Y02T 10/12** (2013.01)

Citation (search report)
See references of WO 0125603A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 0125603 A1 20010412; CN 1183316 C 20050105; CN 1378617 A 20021106; DE 19948148 A1 20010607; DE 19948148 B4 20090917; EP 1222372 A1 20020717

DOCDB simple family (application)
EP 0009279 W 20000922; CN 00813955 A 20000922; DE 19948148 A 19991007; EP 00964224 A 20000922