

Title (en)
EXHAUST GAS-DISCHARGING DEVICE OF VEHICLE

Title (de)
ABGASENTLADUNGSVORRICHTUNG FÜR EIN FAHRZEUG

Title (fr)
ECHAPPEMENT POUR AUTOMOBILE

Publication
EP 1807613 A1 20070718 (EN)

Application
EP 05817839 A 20051028

Priority
• KR 2005003618 W 20051028
• KR 20040087548 A 20041029

Abstract (en)
[origin: WO2006046841A1] The present invention relates to an exhaust gas-discharging device for exhausting the burned gas utilized in an internal combustion engine, and more particularly, to an exhaust gas- discharging device of a vehicle for exhausting the burned gas to a muffler tail pipe, provided in an exhaust gas -discharging path of a vehicle, using airflow to improve fuel efficiency and torque of the vehicle. The exhaust gas -discharging device includes first and second fixed vanes (30 and 40), which are formed in the form of streamline shapes by cutting a side of a tail pipe (20) formed at the rear end of a muffler (10), provided on an exhaust gas-discharging path through which exhaust gas discharged from an engine of a vehicle passes, and which the same are bent inward, and spaced apart from each other to face each other, and a circulation exhaust gas-discharging device (50) having a pipe body (52) welded to the tail pipe and communicated with the first and second fixed vanes (30 and 40) to seal the first and second fixed vanes (30 and 40) from ambient air.

IPC 8 full level
F01N 13/08 (2010.01); **F01N 13/20** (2010.01)

CPC (source: EP KR US)
F01N 13/08 (2013.01 - KR); **F01N 13/082** (2013.01 - EP US); **F01N 2260/06** (2013.01 - EP US); **F01N 2270/08** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006046841 A1 20060504; AU 2005300164 A1 20060504; BR PI0517633 A 20081014; CA 2585692 A1 20060504; CA 2585692 C 20100420; CN 100554659 C 20091028; CN 101048581 A 20071003; EP 1807613 A1 20070718; EP 1807613 A4 20090401; HK 1109439 A1 20080606; JP 2008518157 A 20080529; KR 100684568 B1 20070222; KR 20060038317 A 20060503; MX 2007004902 A 20070614; RU 2007119768 A 20081210; RU 2351775 C2 20090410; US 2007289809 A1 20071220; ZA 200703425 B 20080925

DOCDB simple family (application)
KR 2005003618 W 20051028; AU 2005300164 A 20051028; BR PI0517633 A 20051028; CA 2585692 A 20051028; CN 200580036840 A 20051028; EP 05817839 A 20051028; HK 08103675 A 20080402; JP 2007538830 A 20051028; KR 20040087548 A 20041029; MX 2007004902 A 20051028; RU 2007119768 A 20051028; US 66628805 A 20051028; ZA 200703425 A 20070427