

Title (en)
EXHAUST GAS RECIRCULATION DEVICE

Title (de)
ABGASRÜCKFÜHREINRICHTUNG

Title (fr)
DISPOSITIF DE RECYCLAGE DES GAZ D'ECHAPPEMENT

Publication
EP 1875061 B1 20090513 (DE)

Application
EP 06722588 A 20060311

Priority
• DE 2006000431 W 20060311
• DE 102005020484 A 20050429

Abstract (en)
[origin: DE102005020484A1] The device has an exhaust gas recirculation line (2) introducing exhaust gas into a fresh-air duct (4), and an exhaust gas recirculation valve (3) for controlling the line, which has an end section with an orifice opening. The valve has a sleeve (10) arranged in the line, where the sleeve encloses the line in an area of the orifice opening and mounted in the duct in an axially adjustable manner. The sleeve has a nozzle contour with a flow cross section. The valve has an actuating device (12) for axially adjusting the sleeve relative to the duct.

IPC 8 full level
F02M 25/07 (2006.01)

CPC (source: EP US)
F02M 26/19 (2016.02 - EP US); **F02M 26/21** (2016.02 - EP US); **F02M 26/70** (2016.02 - EP US); **F02M 35/10118** (2013.01 - EP US);
F02M 35/10222 (2013.01 - EP US)

Cited by
DE102015200196A1; DE102010007790A1; DE102016010582A1; DE102016010582B4

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 102005020484 A1 20061102; DE 502006003726 D1 20090625; EP 1875061 A1 20080109; EP 1875061 B1 20090513;
US 2009050120 A1 20090226; US 7798135 B2 20100921; WO 2006116957 A1 20061109

DOCDB simple family (application)
DE 102005020484 A 20050429; DE 2006000431 W 20060311; DE 502006003726 T 20060311; EP 06722588 A 20060311;
US 91282706 A 20060311