

Title (en)

DEVICE FOR EXHAUST GAS RECIRCULATION WITH A CLOSURE MEMBER WHICH CAN BE ACTUATED IN THE INTAKE DUCT

Title (de)

VORRICHTUNG ZUR ABGASRÜCKFÜHRUNG MIT EINEM IM ANSAUGKANAL BETÄTIGBAREN SCHLIESSELEMENT

Title (fr)

DISPOSITIF DE RECYCLAGE DE GAZ D'ECHAPPEMENT COMPORTANT UN ELEMENT DE FERMETURE ACTIONNABLE DANS LE CANAL D'ASPIRATION

Publication

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Application

EP 96933317 A 19960823

Priority

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Abstract (en)

[origin: US5785034A] PCT No. PCT/DE96/01563 Sec. 371 Date Aug. 29, 1997 Sec. 102(e) Date Aug. 29, 1997 PCT Filed Aug. 23, 1996 PCT Pub. No. WO97/24522 PCT Pub. Date Jul. 10, 1997The invention relates to an apparatus for exhaust gas recirculation having an exhaust gas delivery conduit connected to an intake conduit, wherein the exhaust gas discharge conduit in the intake conduit is openable and closable via a closing element actuated by an adjusting drive. To that end, a substantially cylindrical exhaust gas delivery tube, as part of an exhaust gas delivery neck protrudes into the intake conduit approximately perpendicular to the fresh gas stream, which has an outlet opening in its cylindrical wall. Disposed above the outlet opening is a rotary slide bell, as the closing element, which at least regionally surrounds the exhaust gas delivery tube protruding into the intake conduit. The rotary slide bell is coupled to an electric pivoting motor acting as an adjusting drive. The apparatus is one in which only minimal forces caused by the flow of exhaust gas and fresh gas act upon the closing element and its adjusting drive.

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IPC 8 full level

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