

Title (en)

Exhaust gas recirculation valve for combustion engines

Title (de)

Abgasrückführventil für Brennkraftmaschinen

Title (fr)

Valve de recirculation de gaz d'échappement pour moteurs à combustion

Publication

EP 0964147 A3 20001018 (DE)

Application

EP 99110259 A 19990527

Priority

DE 19825656 A 19980609

Abstract (en)

[origin: EP0964147A2] The ring surface (16) of the valve member (15) is formed on an axially projecting ring union (40) of the valve member. The valve seat surface (14) is arranged on the under side of a housing part (11). Exhaust gas is fed from beneath in the direction of the valve seat surface. The valve member is arranged on the under side of the housing part and is locatable from beneath to the valve seat surface. The under side valve seat surface is formed as an inclined surface (44), which narrows in a blunt conical manner in the axial direction turned away from the valve member. Likewise, the upper side ring surface of the valve member is formed as an inclined surface (46), which narrows in a blunt conical manner in the axial direction facing the valve seat surface.

IPC 1-7

F02M 25/07

IPC 8 full level

F02M 25/07 (2006.01); **F02M 26/50** (2016.01); **F02M 26/53** (2016.01); **F02M 26/68** (2016.01)

CPC (source: EP)

F02M 26/50 (2016.02); **F02M 26/53** (2016.02); **F02M 26/68** (2016.02)

Citation (search report)

- [XA] DE 19539921 C1 19970227 - RANCO INC [US]
- [PX] DE 19701239 A1 19980723 - BOSCH GMBH ROBERT [DE]
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 09 30 September 1996 (1996-09-30)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 02 30 January 1998 (1998-01-30)
- [PX] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08 30 June 1999 (1999-06-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 083 (M - 1216) 28 February 1992 (1992-02-28)

Cited by

EP1186762A3

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EP 0964147 A2 19991215; **EP 0964147 A3 20001018**; **EP 0964147 B1 20031112**; DE 19825656 A1 19991216; DE 59907686 D1 20031218

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