

Title (en)
EXHAUST PRESSURE CONTROL VALVE

Title (de)
ABGASDRUCKSTEUERVENTIL

Title (fr)
SOUPAPE DE REGLAGE DE PRESSION DE GAZ D'ECHAPPEMENT

Publication
EP 2003313 B1 20110511 (EN)

Application
EP 07738722 A 20070315

Priority

- JP 2007055272 W 20070315
- JP 2006070481 A 20060315
- JP 2006082528 A 20060324
- JP 2006084510 A 20060327

Abstract (en)
[origin: EP2003313A2] The present invention provides an exhaust pressure control valve for controlling the pressure of exhaust gas discharged from an engine. The exhaust pressure control valve is capable of reducing the amount of noise generated when a main valve of the exhaust pressure control valve is switched from a closed state to an open state. The exhaust pressure control valve 10 of the present invention comprises a housing 11 having a main passage 12 and a bypass passage 28, a main valve 30 for opening and closing the main passage 12, and a bypass valve 28 for opening and closing the bypass passage 28. An inlet port 16 is provided in an inner wall face of the main passage 12 at an upstream side of the main valve. An outlet port 46 is provided in the inner wall face of the main passage 12 at a downstream side of the main valve. An upstream end of the bypass passage 28 is connected to the inlet port 16, and a downstream end of the bypass passage 28 is connected to the outlet port 46. A position of the outlet port 46 is offset in the circumferential direction from the position of a point on the circumferential edge of a valve member at which the distance from an axis of a rotation shaft of the main valve to the circumferential edge of the valve member is longest.

IPC 8 full level
F02D 9/04 (2006.01); **F01N 3/02** (2006.01); **F02D 9/10** (2006.01); **F02D 11/08** (2006.01)

CPC (source: EP)
F01N 3/023 (2013.01); **F01N 3/0235** (2013.01); **F02D 9/04** (2013.01); **F02D 9/1055** (2013.01); **F02B 3/06** (2013.01); **F02D 11/08** (2013.01)

Cited by
DE102012207198A1

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
EP 2003313 A2 20081217; **EP 2003313 A4 20100407**; **EP 2003313 A9 20090422**; **EP 2003313 B1 20110511**; WO 2007119379 A1 20071025

DOCDB simple family (application)
EP 07738722 A 20070315; JP 2007055272 W 20070315