

Title (en)

RETURN LINE FOR LEAK GAS FROM A CRANK CASE

Publication

**EP 0251159 B1 19901024 (DE)**

Application

**EP 87109025 A 19870623**

Priority

- DE 3622024 A 19860701
- DE 3704567 A 19870213

Abstract (en)

[origin: EP0251159A2] 1. A return conduit for leakage gases from the crankcase of a four-stroke internal-combustion engine into the suction pipes of the cylinders, characterised in that the return conduit (6) is in communication with each suction pipe (3) of a cylinder through an opening (8), wherein the diameters of the openings (8) change, seen in the direction of flow of the leakage gases in the return conduit (6), and the last opening has a substantially larger diameter than the first opening and its direction of exit into the suction pipe is different from that of the first opening.

IPC 1-7

**F01M 13/00**

IPC 8 full level

**F01M 13/00** (2006.01); **F02B 75/16** (2006.01); **F02B 3/06** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)

**F01M 13/00** (2013.01); **F02B 75/16** (2013.01); **F02B 3/06** (2013.01); **F02B 2075/027** (2013.01)

Cited by

DE102011014541B4; WO2012126573A1; DE4111772A1; DE4221913C1; DE10002585B4; DE102008021055B4; GB2276916A; GB2276916B; US7246610B2; DE19546545B4; DE10045636A1; DE10045636B4; GB2287067A; DE4406986A1; GB2287067B; DE4406986B4; DE4038509A1; US5209191A; US6966310B2; DE102008021055A1; DE102011014541A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0251159 A2 19880107**; **EP 0251159 A3 19890201**; **EP 0251159 B1 19901024**; DE 3765705 D1 19901129

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