

Title (en)
Internal-combustion engine provided with a device for purifying the crankcase breather gases

Title (de)
Brennkraftmaschine mit Entlüftungsvorrichtung des Kurbelgehäuses

Title (fr)
Moteur à combustion avec un dispositif d'aération du carter

Publication
EP 1067276 B1 20050209 (EN)

Application
EP 00114664 A 20000707

Priority
IT TO990605 A 19990709

Abstract (en)
[origin: EP1067276A1] An internal-combustion engine (1) provided with a purifying device (7) having an inlet communicating with the interior of the crankcase (4) of the engine (1) so as to receive the breather gases containing oil in suspension, an outlet (9) for the purified breather gases, a filter element (22) interposed between the inlet and the outlet, an oil- collecting chamber (28) communicating with the interior of the crankcase (4) via a drain valve (33) designed to allow the passage of the oil accumulated in the chamber (28) towards the crankcase (4) but to prevent the reflux of gases in the opposite direction; said valve (33) comprises a sealing element (38) sensitive to fluctuations in pressure in the crankcase (4) during operation of the engine (1) and designed to allow a quantity of oil to escape when the pressure in the crankcase (4) falls below a predetermined threshold value. <IMAGE>

IPC 1-7
F01M 13/04

IPC 8 full level
F01M 13/00 (2006.01); **F01M 13/04** (2006.01)

CPC (source: EP)
F01M 13/04 (2013.01)

Citation (examination)
EP 0685635 A1 19951206 - HENGST WALTER GMBH & CO KG [DE]

Cited by
DE102010062321A1; CH717661A1; DE10111241A1; EP1239189A3; US11717779B2; EP1239189A2; US10041386B2; DE102010062321B4

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