

Title (en)

BREATHER DEVICE OF CRANKCASE FOR 4-CYCLE ENGINE

Title (de)

ENTLÜFTERVORRICHTUNG FÜR DAS KURBELGEHÄUSE EINES VIERTAKTMOTORS

Title (fr)

VENTILATEUR DE CARTER POUR MOTEUR À 4 TEMPS

Publication

**EP 1995418 A4 20110105 (EN)**

Application

**EP 07702208 A 20070125**

Priority

- CN 2007000290 W 20070125
- CN 200610038698 A 20060308

Abstract (en)

[origin: EP1995418A1] A crankcase scavenging mechanism for a four-stroke engine is disclosed. A valve operating chamber (5) is assembled from a cylinder head and a cylinder head cover (3) and is communicated with a crankcase (6). The cylinder head cover (3) is arranged on the top of the cylinder head (9) and is provided with a gas-oil separating cavity (23) on the top thereof. A passage (37) is communicated with the valve operating chamber (5). The gas-oil separating cavity (23) is connected with a partition plate (25) to form an oil-gas separation chamber (26). The oil-gas separation chamber (26) is provided with a one-way valve (27) thereon. The one-way valve (27) is installed in a one-way valve hole (28). A passage (33) above the one-way valve (27) is provided with an inclined orifice (38), one end of which is blocked by a plug (39), the other end of which is communicated with the cylinder head (9) and is further communicated with a suction tube (14) through a cylinder head communication passage (41). An oil-returning hole (34) is formed between the inclined orifice (38) of the passage (33) and the oil-gas separation chamber (26).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] EP 0341770 A2 19891115 - LOMBARDINI FAB IT MOTORI SPA [IT]
- See references of WO 2007101387A1

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