

Title (en)
Oil scrubber for engine

Title (de)
Ölschrubber für eine Brennkraftmaschine

Title (fr)
Epurateur d'huile pour moteur à combustion

Publication
EP 1482133 A3 20100106 (EN)

Application
EP 04253157 A 20040528

Priority
JP 2003152360 A 20030529

Abstract (en)
[origin: EP1482133A2] In an example, an engine 1 comprises a crankcase 4 having a lower opening 3, a crankshaft 6 supported on the crankcase 4 and capable of making a rotation R around a shaft center 5 extending approximately horizontally, and a baffle plate 18 for covering the lower opening 3. A communication passage 25 for communicating a crank chamber 2 and a space below is formed between an opening edge 21 of the lower opening 3 and an outer periphery 22 of the baffle plate 18. A linear protrusion 26 is disposed extending approximately in parallel with the crankshaft 6 and protruding upward from the baffle plate 18. Assuming that a region along the lower opening 3 is in the front (Fr) part in the direction of the rotation R of the crankshaft 6, the linear protrusion 26 is fitted into the rear part of the lower opening 3. Such an arrangement can prevent oil in an engine comprising a baffle plate covering a lower opening of a crankcase from rotating unnecessarily in a crank chamber along with a crankshaft, and to prevent unnecessary power loss in the engine.
[origin: EP1482133A2] The scrubber has a baffle plate (18) for covering a lower opening (3) of a crankcase. A communication passage (25) formed between an opening edge (21) of the lower opening and an outer periphery of the plate to communicate a crank chamber (2) and an oil pan (16). A linear protrusion (26) extends in parallel with a crankshaft (6) and protrudes upward from the plate to fit into the rear part of the lower opening.

IPC 8 full level
F01M 11/00 (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP GB)
F01M 11/0004 (2013.01 - EP GB); **F01M 2011/005** (2013.01 - EP)

Citation (search report)

- [X] JP H01134757 U 19890914
- [X] US 5054442 A 19911008 - PIETSCH ALBERT [DE], et al
- [XA] JP H0166412 U 19890427
- [A] JP H04321710 A 19921111 - YAMAHA MOTOR CO LTD

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