

Title (en)
Four-stroke internal combustion engine

Title (de)
Viertakt-Brennkraftmaschine

Title (fr)
Moteur à combustion interne à quatre temps

Publication
EP 1486652 A1 20041215 (EN)

Application
EP 04022245 A 20000113

Priority
• EP 00904332 A 20000113
• US 11721599 P 19990125

Abstract (en)
A four-stroke internal combustion engine (20) is provided. There is provided within an engine housing (28) an oil reservoir (126) and a valve chamber (156) which independently communicate with a crank chamber (124). A strategically placed divider (116) and passageway, located within the engine housing (28), appropriately direct lubricant within the engine housing (28) so that the internal cavity of the engine is lubricated during use in various operating attitudes, and so that the fluid flows to and is held in the proper chambers of the engine housing during storage. There is also provided a breather arrangement for an internal combustion engine (20) which includes a cam shaft (98) having a hollow passageway in communication with the crank chamber (124) and the air intake system of the engine. There is also provided an engine housing which can be utilized for engines having different horse power ratings. There is also provided a crankshaft bearing assembly (68, 70) which prevents damage to the bearing upon insertion of the crankshaft (80) into the crank chamber (124). <IMAGE>

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F02B 63/02; F01M 11/06; F02B 75/16

IPC 8 full level
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Citation (search report)
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