

Title (en)
Two-cycle internal combustion engine

Title (de)
Zweitakt brennkraftmaschine

Title (fr)
Moteur à combustion à deux temps

Publication
EP 1022448 A3 20010704 (EN)

Application
EP 00101454 A 20000125

Priority
JP 1569399 A 19990125

Abstract (en)
[origin: EP1022448A2] The invention provides a two-cycle internal combustion engine which can realize scavenging by air, prevent blow-by of a fuel mixture in a scavenging stroke, and prevent combustion of a lubricating oil in a combustion chamber to thereby purify an exhaust gas. To achieve this, a two-cycle internal combustion engine 1 includes a compressor section (20) for performing a compression stroke in concert with a scavenging stroke by a piston (7) reciprocating in a cylinder (8). A fuel mixture from a carburetor (17) is pressurized to be supplied to a combustion chamber (12) by the compressor section (20). On the other hand, a scavenging air is also pressurized to be supplied to the cylinder (8) from its side wall by the compressor section (20). An oil pump (60) driven by a crankshaft (3) is provided to pump up a lubricating oil stored in a bottom portion of a crankcase, thereby lubricating the crankshaft with the lubricating oil supplied from the oil pump. <IMAGE>

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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 270 (M - 517) 13 September 1986 (1986-09-13)

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