

Title (en)

Two-cycle internal combustion engine

Title (de)

Zweitakt brennkraftmaschine

Title (fr)

Moteur à combustion à deux temps

Publication

**EP 1022448 A2 20000726 (EN)**

Application

**EP 00101454 A 20000125**

Priority

JP 1569399 A 19990125

Abstract (en)

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>

IPC 1-7

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IPC 8 full level

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