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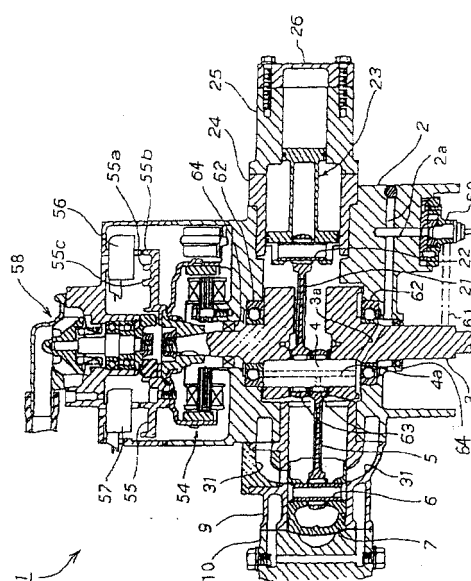
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(54) **Two-cycle internal combustion engine**

(57) 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.

FIG. 4





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EUROPEAN SEARCH REPORT

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EP 00 10 1454

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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Place of search THE HAGUE		Date of completion of the search 23 April 2001	Examiner Wassenaar, G
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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