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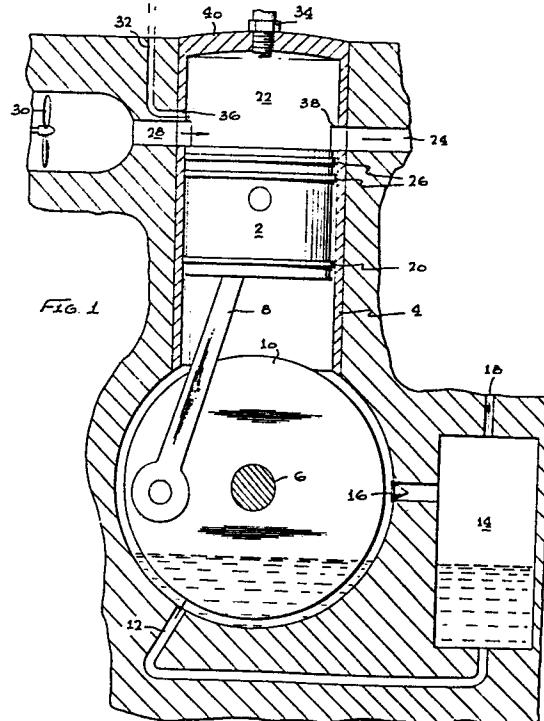
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(54) **Emission controlled two-cycle engine.**

(57) An emission controlled two-cycle internal combustion engine is disclosed. The presence of unburned hydrocarbons and oil smoke is substantially reduced by eliminating the use of lubricating oil in the fuel, confining lubricating oil for the engine to the crankcase, purging exhaust gases from the combustion chamber with pressurized fresh air, and timing the injection of fuel into the combustion chamber to occur near the closure of the exhaust port to eliminate the escape of unburned fuel through the exhaust port.





## EUROPEAN SEARCH REPORT

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<p><u>US - A - 2 267 333</u> (E.R. JACOBY et al.)            * page 2, column 1, lines 46 to 66;            page 3, column 2, lines 29 to 66;            fig. 17 *</p> <p>---</p> <p><u>DE - A1 - 2 708 561</u> (H.-D. KOSKE)            * claim 1; page 4, lines 1 to 25;            fig. 1, 2 *</p> <p>---</p> <p><u>FR - A - 906 549</u> (STE DE PROSPECTION INDUSTRIELLE)            * page 1, lines 44 to 54; fig. 1, 2 *</p> <p>---</p> <p><u>FR - A - 1 332 488</u> (J. BIDEAU)            * fig. 1 to 4 *</p> <p>---</p> <p><u>FR - A - 1 088 836</u> (MECCANICA VERGHERA)            * whole document *</p> <p>---</p> <p><u>DE - C - 923 753</u> (W. GUTBROD et al.)            * whole document *</p> <p>---</p> <p><u>US - A - 1 575 541</u> (J.M. CAGE)            * fig. 1 *</p> <p>---</p> <p><u>US - A - 2 113 979</u> (A. BOKEMÜLLER)            * whole document *</p> <p>-----</p>	1-4, 6-11,13  1-5,7, 8,10, 11  13  1,3,4, 10,11, 13	F 02 B 35/00 F 02 B 1/00  F 02 B 1/00 F 02 B 25/14 F 02 B 33/00 F 02 B 35/00 F 02 M 69/10
			TECHNICAL FIELDS SEARCHED (Int.Cl. 3)
			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
X	The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner	
Berlin	10-02-1982	CANNICI	