

Title (en)
CONTROLLED VARIABLE COMPRESSION RATIO INTERNAL COMBUSTION ENGINE

Title (de)
BRENNKRAFTMASCHINE MIT GESTEUERTEM VARIABLEN DICHTUNGSVERHÄLTNIS

Title (fr)
MOTEUR A COMBUSTION INTERNE A TAUX DE COMPRESSION VARIABLE COMMANDE

Publication
EP 0700482 B1 19991222 (EN)

Application
EP 93909156 A 19930319

Priority
US 9302728 W 19930319

Abstract (en)
[origin: EP0700482A1] The arrangement includes a secondary cylinder (201) formed in the engine cylinder head (102) which opens upon the combustion chamber (110) of the engine. A secondary piston (203) is positioned by a control device (503) within the secondary cylinder (201). The rearmost position corresponds to the lowest compression ratio. The position of the secondary piston (203) to achieve the compression ratio giving maximum engine efficiency, is controlled by a logic unit (816) operating upon such inputs as the engine load as correlated to the input manifold pressure, the engine RPM and the present position of the secondary piston (203).

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F02B 75/04; F02D 15/04

IPC 8 full level
F02D 15/04 (2006.01); **F02B 41/00** (2006.01); **F02B 75/04** (2006.01); **F02B 1/04** (2006.01)

CPC (source: EP)
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