

Title (en)

Internal combustion engine with variable combustion chamber.

Title (de)

Brennkraftmaschine mit variablem Verdichtungsraum.

Title (fr)

Moteur à combustion interne à chambre de combustion variable.

Publication

EP 0488431 A2 19920603 (EN)

Application

EP 91202223 A 19910831

Priority

IT 171190 A 19901108

Abstract (en)

In an internal-combustion engine of new conception, either a mobile supplementary piston (3), or an oscillating membrane (9) is added in the cylinder (1) or a connecting rod (11) with variable length is adopted; which, suitably calibrated have the function of varying the volume of the combustion chamber (16), to maintain the compression pressure constant at all RPM rates and the ignition pressure limited at all RPM rates to improve the working cycle, modifying it, increasing its performance and efficiency, eliminating the detonation and the consequent use of anti-knock agents which pollute the atmosphere. <IMAGE>

IPC 1-7

F02B 75/04

IPC 8 full level

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CPC (source: EP)

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Cited by

EP2260191A4; EP0603961A1; EP2000658A3; US5878701A; EP2290218A1; USRE41335E; WO2020078083A1; BE1011749A3; US8857404B2; JP2011513634A

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