

Title (en)

Internal combustion engine provided with rotary sleeve timing system

Title (de)

Brennkraftmaschine mit einem rotierenden Ventilsteuerungssystem

Title (fr)

Moteur à combustion interne avec un système de contrôle pour une soupape rotative

Publication

EP 0877154 A2 19981111 (EN)

Application

EP 98108051 A 19980504

Priority

IT MI971056 A 19970507

Abstract (en)

Internal combustion four-stroke-cycle engine utilising a rotary sleeve or jacket timing system, which rotates at half speed (or multiples) with respect to the engine axle, comprising a fixed cylinder (1) with head (7), a rotary sleeve (2) top-closed by a ceiling (3) and provided with a window fit for sequentially placing itself in correspondence with a feed duct and an exhaust duct obtained in the head, and at least a rolling and radial centring element (16) so assembled as to originate a small clearance (17), in order to allow the sleeve an axial translation movement such as to push the upper ceiling (3) surface against the lower head (7) surface, until they mate and tight-fit together, ensuring in this way a perfect gas-tightness during compression and combustion. <IMAGE>

IPC 1-7

F02B 75/16; F01L 7/02

IPC 8 full level

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CPC (source: EP)

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