

Title (en)  
INTERNAL-COMBUSTION ENGINE

Publication  
**EP 0080070 B1 19870422 (DE)**

Application  
**EP 82109949 A 19821028**

Priority  
DE 3145783 A 19811119

Abstract (en)  
[origin: US4590761A] A rotary engine comprises a circular rotor surrounded by an annular stator. The rotor is provided around its outer circumference with spaced combustion chambers and with recesses therebetween. Each recess serves as an expansion chamber for a jet of gas produced by combustion in an associated combustion chamber. Each recess is also provided, remote from the associated combustion chamber, with a cam. The stator at its inner circumference has retractible reaction members which are movable into the recesses to be acted on by the gas jet so as to create forces acting in opposite sense on the rotor and stator and thus cause the rotor to rotate. The reaction members have deflector surfaces arranged to deflect the gas jet in such a manner that the members are drawn into the recesses, the members being engaged by the cams during the rotor rotation and moved back into the stator.

IPC 1-7  
**F01C 1/356**; **F01C 11/00**

IPC 8 full level  
**F02B 53/00** (2006.01); **F01C 1/356** (2006.01); **F01C 11/00** (2006.01); **F02C 3/16** (2006.01); **F02K 99/00** (2009.01)

CPC (source: EP US)  
**F01C 1/3566** (2013.01 - EP US); **F01C 11/008** (2013.01 - EP US)

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