

Title (en)

Device for sealing the pistons of rotating reciprocating engine

Title (de)

Vorrichtung zur Abdichtung des Kolbens von Rotationskolbenmaschinen

Title (fr)

Dispositif d'étanchéification du piston de machines à piston rotatives

Publication

EP 2450530 B1 20160323 (DE)

Application

EP 11179629 A 20071119

Priority

- EP 07822696 A 20071119
- DE 102006057003 A 20061202

Abstract (en)

[origin: CA2671017A1] Sealing system of rotary piston machines, characterized in that the rotor comprises rotor discs (1, 2) which are arranged next to one another, are seated on the common rotor axle and are pressed apart from one another by acting spring and/or gas forces in the joints (11) between the discs in such a way that those end sides (6, 8) of the discs (1, 2) which point towards the side walls of the housing bear sealingly against the latter and thus prevent the access of the medium to the axles. Assemblies comprising movable shaped lamellae (3, 4) which adapt to the changing joint widths and prevent an inner flow around the rotor are present in the part joints between the discs (1, 2).

IPC 8 full level

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CPC (source: EP KR US)

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