Title (en)
SEALING SYSTEM FOR AN OSCILLATING-PISTON ENGINE

Title (de)
DICHTSYSTEM FÜR EINE SCHWENKKOLBENMASCHINE

Title (fr)
SYSTEME D'ETANCHEITE POUR MACHINES A PISTONS PIVOTANTS

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Application
EP 07701888 A 20070219

Priority
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Abstract (en)
[origin: WO2007095773A1] The sealing system for oscillating-piston engines, comprising at least two oscillating pistons (15) which revolve together in a spherical housing (24) about an axis (45) of revolution provided in the housing centre and which each have two opposite piston arms, which, when revolving, perform reciprocating oscillating movements in opposite directions about an oscillation axis (46) perpendicular to the axis (45) of revolution, wherein guide members (47) are provided on at least two pistons, said guide members (47) engaging in at least one guide groove (39) formed in the housing (24) for controlling the oscillating movements, has sealing elements (1, 2, 12, 14, 26, 33) on or in the vicinity of all moving edges surrounding the working chambers (17) and prechambers (30), which sealing elements (1, 2, 12, 14, 26, 33) close in a sealing manner all the gap regions present between machine parts displaced relative to one another by revolving and/or oscillating movements and not in direct contact, and has additional sealing elements (60) which prevent the excessive penetration of lubricating fluid into inlet (40) and outlet openings (41) in the housing (24).

IPC 8 full level
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