

Title (en)
TURBOMOLECULAR PUMP

Publication
EP 0348931 B1 19911030 (FR)

Application
EP 89111755 A 19890628

Priority
FR 8808738 A 19880629

Abstract (en)
[origin: EP0348931A1] Turbomolecular pump comprising a rotor (40) and a stator (1, 42), the rotor being supported in the stator by bearings (3, 4), the stator (1, 42), in its part carrying the said bearings being pierced with a bore (6) equipped with a piston (13) delimiting with the said bore chambers (16, 17) forming grease reserves, at least one radial channel (9, 10) extending from each of these chambers, the said piston (13) possessing towards its outer end, means (14) for allowing it to penetrate into the said bore (6), characterised in that each channel (9, 10) terminates opposite a threaded cylindrical bearing surface (31, 32) integral with the rotor (40) and immediately adjacent to a supporting bearing (3, 4) of the rotor, bringing the grease axially to the said bearing along a circular ring, the said piston (13) being equipped with a gasket (25) located between the chambers (16, 17) and its outer end (26), the said means making it possible for the piston to penetrate into the bore comprising a drive means (20) activated periodically. <IMAGE>

IPC 1-7
F04D 19/04; F04D 29/06

IPC 8 full level
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CPC (source: EP)
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Cited by
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