

Title (en)
WORM-DRIVE COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR A VIS

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Abstract (en)
[origin: US6093008A] PCT No. PCT/EP96/02078 Sec. 371 Date Nov. 19, 1997 Sec. 102(e) Date Nov. 19, 1997 PCT Filed May 18, 1996 PCT Pub. No. WO96/37706 PCT Pub. Date Nov. 28, 1996The invention relates to a worn-rive compressor (10) with a main rotor shaft (18) on which are fitted at least one first and one second main rotor (14, 16), each of which meshes with a matching first or second sub-rotor (20, 22) on a rotor layshaft (24). To provide a hard-wearing, economically produced and highly efficient worm-drive compressor (10), the hearings of the rotor main and layshafts (18, 24) are matched to the compressed gas supply in such a way that the loads imposed on the shafts by the pressures produced are absorbed by radially operating bearings (40, 42, 44, 47) near the point at which they arise.

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