

Title (en)
OSCILLATING PISTON ENGINE AND OSCILLATING PISTON COMPRESSOR

Title (de)
PENDELKOLBENMOTOR UND PENDELKOLBENKOMPRESSOR

Title (fr)
MOTEUR ET COMPRESSEUR A PISTON OSCILLANT

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Abstract (en)
[origin: US5769048A] PCT No. PCT/CH95/00312 Sec. 371 Date Jun. 24, 1997 Sec. 102(e) Date Jun. 24, 1997 PCT Filed Dec. 27, 1995 PCT Pub. No. WO96/20332 PCT Pub. Date Jul. 4, 1996The present inventions concern rocking-piston engines and rocking-piston compressors of high efficiency. This is achieved by an arrangement in which the piston crown lies on a circular cylinder whose center coincides with the center of the connecting rod bearing and the inner face of the cylinder head lies on a circular cylinder whose center coincides with the center of the crankshaft bearing; and whereby these cylinders are in mutual rolling sealing contact in the vicinity of the top dead center. Additional means help to ensure, for an engine, that the crankshaft is driven before the top dead center or, for a compressor, that optimal compression with regard to flow is achieved with the smallest possible dead volume.

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