

Title (en)

ROTARY MACHINE AND COMBUSTION ENGINE

Title (de)

ROTATIONSMASCHINE UND VERBRENNUNGSMOTOR

Title (fr)

MACHINE ROTATIVE ET MOTEUR À COMBUSTION

Publication

EP 1974125 A4 20150311 (EN)

Application

EP 07701081 A 20070105

Priority

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Abstract (en)

[origin: WO2007078206A1] The present invention relates to a rotary machine that can be employed in different applications such as, for example, a combustion engine or compressor. The invention further relates to an assembly of two or more rotary machines and a combustion engine based on the rotary machine. The machine is substantially composed of a helical screw-shaped rotor connected to an outgoing shaft journal, which screw-shaped rotor rotates in a cylindrical housing. The machine is further provided with rotating chamber dividing bodies whose rotation is synchronised with the rotating screw-shaped rotor. The chamber dividing bodies divide the helical screw grooves into chambers whose volume varies with rotation of the screw-shaped rotor.

IPC 8 full level

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Citation (search report)

- [XY] FR 2102059 A5 19720331 - IMPROVED MACHINERY INC
- [YD] GB 2131877 A 19840627 - ZIMMERN BERNARD
- See references of WO 2007078206A1

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