

Title (en)
COMPRESSOR MACHINE WITH TWO COUNTER-ROTATING ROTORS

Title (de)
VERDICHTERMASCHINE MIT ZWEI GEGENSINNIG LAUFENDEN ROTOREN

Title (fr)
MACHINE DE COMPRESSION POURVUE DE DEUX ROTORS A ROTATION EN SENS INVERSE

Publication
EP 1554496 A1 20050720 (DE)

Application
EP 03809330 A 20031024

Priority
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Abstract (en)
[origin: WO2004038227A1] The compressor machine has two counter-rotating rotors, mounted on two parallel shafts supported in a housing at a separation from each other. One of the shafts is directly driven and the other is driven by engaging toothed gears mounted on the shafts. The housing has two radial walls embodied in one piece and with a circumferential wall, in which the shafts are supported. The toothed gears are arranged between said radial walls. A lateral wall has an opening sealed by a removable cover. The toothed gears can be mounted on the shafts through said opening with the cover removed. The bearing drillings for the shafts can be generated and machined in the one-piece housing with a single cutting, such that, by means of a minimal number of parts, any causes of alignment errors are avoided.

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F04C 18/12; **F04C 29/00**

IPC 8 full level
F04C 18/12 (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

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Citation (search report)
See references of WO 2004038227A1

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