

Title (en)  
Positive displacement machine for compressible fluids

Title (de)  
Verdrängermaschine für kompressible Medien

Title (fr)  
Machine à déplacement positif pour des fluides compressibles

Publication  
**EP 1070848 B1 20040414 (DE)**

Application  
**EP 99114031 A 19990719**

Priority  
EP 99114031 A 19990719

Abstract (en)  
[origin: EP1070848A1] The displacement machine has at least two shafts with rotors in the form of spiral strip bodies (4) engaging with each other during rotation. The strip bodies are in two-start form. The rises (S1, S3) at the inlet ends and outlet ends of the strip bodies are constant, but between them, the rise (S2) decreases from the greater rise (S1) at the inlet end to the lesser rise (S3) at the outlet end.

IPC 1-7  
**F04C 18/16**

IPC 8 full level  
**F04C 18/16** (2006.01); **F04B 37/00** (2006.01); **F04C 18/08** (2006.01); **F04C 25/02** (2006.01); **F04C 28/08** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP KR US)  
**F04B 29/00** (2013.01 - KR); **F04C 18/084** (2013.01 - EP US); **F04C 18/16** (2013.01 - EP US); **F04C 2240/402** (2013.01 - EP US); **F04C 2240/51** (2013.01 - EP US)

Citation (examination)  
GB 2030227 A 19800402 - KLAEY E, et al

Cited by  
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**EP 1070848 A1 20010124; EP 1070848 B1 20040414**; AT E264457 T1 20040415; AU 4870300 A 20010125; AU 775135 B2 20040715; CA 2314124 A1 20010119; CA 2314124 C 20080527; DE 59909182 D1 20040519; DK 1070848 T3 20040809; ES 2219956 T3 20041201; JP 2001055992 A 20010227; KR 100573752 B1 20060424; KR 20010015358 A 20010226; NO 20003590 D0 20000713; NO 20003590 L 20010122; NO 323484 B1 20070521; SG 86422 A1 20020219; US 6359411 B1 20020319; ZA 200003568 B 20010207

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