

Title (en)
Scroll-type fluid displacement machine.

Title (de)
Verdrängermaschine nach dem Spiralprinzip.

Title (fr)
Machine de déplacement de fluide de type à spirale.

Publication
EP 0354342 B1 19940105 (DE)

Application
EP 89112051 A 19890701

Priority
• CH 215089 A 19890608
• CH 293988 A 19880803

Abstract (en)
[origin: EP0354342A1] In a fluid displacement machine for compressible media with a plurality of delivery chambers arranged in a fixed housing, each housing half (7, 7') has two delivery chambers (11, 11') offset by about 180 DEG to one another and extending in a spiral from an inlet (12, 12') to an outlet (13). Associated with each delivery chamber is a displacer element which engages in the latter and is held perpendicularly as a spiral strip (3, 3') on a disc-shaped rotor (1) which can be driven eccentrically in relation to the housing. To guide it, a second guiding eccentric arrangement (26, 27) arranged at a distance from a first driving eccentric arrangement (23, 24) is provided in the housing. To accommodate any length differences between delivery chamber and displacer element in a yielding manner, the guide shaft (27) of the guiding eccentric arrangement is mounted in a plain bearing (28). <IMAGE>

IPC 1-7
F01C 1/02

IPC 8 full level
F04C 18/02 (2006.01); **F01C 1/02** (2006.01); **F01C 17/06** (2006.01)

CPC (source: EP KR US)
F01C 1/0223 (2013.01 - EP US); **F01C 17/06** (2013.01 - EP US); **F04C 29/02** (2013.01 - KR)

Citation (examination)
US 2862655 A 19581202 - JOHN DICKSON

Cited by
CN102865245A; EP0561212A3; EP0545187A1; EP0614012A1; US5397223A; US5402765A; EP0545191A1; US5356276A

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CH DE ES FR GB IT LI NL SE

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