

Title (en)
Twin feed screw rotors

Title (de)
Zwillings-Förderschraubenrotoren

Title (fr)
Vis transporteuses jumelées

Publication
EP 0995879 B1 20040512 (DE)

Application
EP 98811063 A 19981023

Priority
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Abstract (en)
[origin: EP0995879A1] The twin-screw rotor structure, for use in displacement machines for compressible materials and media, has a pitch which is not constant, and is defined by a variable related to the working angle round it. The pitch in the first section increases (DELTA W1) from the entry end to a max. value after one turn angle. The following section has a reduced pitch to a min. value at a point of one turn angle before the outlet. The last, and third section, has a constant pitch (DELTA W3). The spirals (7) have a constant thickness (h).

IPC 1-7
F01C 1/08; **F01C 1/16**

IPC 8 full level
F04C 18/16 (2006.01); **F01C 1/08** (2006.01)

CPC (source: EP KR US)
F01C 1/084 (2013.01 - EP US); **F01C 1/16** (2013.01 - KR)

Cited by
DE10300203A1; CN102937094A; US7192262B2; US8827669B2; CH694339A5; AU2001267247B2; KR100737321B1; CZ305182B6; WO2007068973A1; US6702558B2; WO0208609A1; JP2008196505A

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