

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 0545191 B1 19950913 (DE)

Application
EP 92119878 A 19921123

Priority
CH 358191 A 19911205

Abstract (en)
[origin: EP0545191A1] In a displacement machine for compressible media a plurality of spiral shaped feed chambers (11a, 11b), arranged in a fixed housing, lead from a radially outer inlet (12a, 12b) to a radially inner outlet (13). A displacement body assigned to the feed chambers essentially comprises a disc (2) with spiral shaped strips (3a, 3b) arranged perpendicular on both sides. This eccentrically driven displacement body is composed of a magnesium alloy. During operation it performs with each of its points a circular movement defined by the peripheral walls of the feed chamber. The webs (45, 46) defining the feed chambers (11a, 11b) in the housing are made integral with the housing and the entire housing is manufactured from the same magnesium based alloy as the displacement body (2, 3, 4, 5) or one similar to it. <IMAGE>

IPC 1-7
F01C 21/10; **F01C 1/02**

IPC 8 full level
F04C 18/107 (2006.01); **F01C 21/10** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP US)
F01C 1/0223 (2013.01 - EP US); **F01C 21/104** (2013.01 - EP US)

Cited by
CN1072775C

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0545191 A1 19930609; **EP 0545191 B1 19950913**; DE 59203677 D1 19951019; JP H05248375 A 19930924; US 5356276 A 19941018

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EP 92119878 A 19921123; DE 59203677 T 19921123; JP 32539692 A 19921204; US 98565392 A 19921207