

Title (en)
Scroll type fluid displacement machine.

Title (de)
Verdrängermaschine nach dem Spiralprinzip.

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

Publication
EP 0545189 B1 19950913 (DE)

Application
EP 92119876 A 19921123

Priority
CH 357891 A 19911205

Abstract (en)
[origin: EP0545189A1] In a displacement machine for compressible media a spiral shaped feed chamber is arranged in a fixed housing (7b). A spiral shaped displacement body assigned to the feed chamber is held on a disc-shaped rotor drivable eccentrically in relation to the housing in such a way that during operation each of its points performs a circular movement defined by the peripheral walls of the feed chamber. The rotor with its main shaft (24) is driven by way of a pulley (19). Between the main shaft (24) and an input shaft (21) provided with the pulley (19) an adjustable magnetic clutch (30) is arranged, a solenoid (31) being arranged fixed in terms of position in a housing cover (7c) and an armature ring (32) being connected rotationally fixed to the main shaft (24). The air gap (44) between the armature ring (32) and a retaining disc (33) arranged on the input shaft (21) is adjustable. <IMAGE>

IPC 1-7
F01C 21/00; F01C 1/02

IPC 8 full level
F01C 21/00 (2006.01)

CPC (source: EP)
F01C 21/008 (2013.01)

Cited by
EP2940337A1; US2012037473A1; US8464697B2; US2013266422A1; US8776767B2; CN116928096A; US9086012B2; EP2402611A2; DE102011103165A1

Designated contracting state (EPC)
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EP 92119876 A 19921123; DE 59203676 T 19921123