

Title (en)

Vane guiding arrangement for vane pump

Title (de)

Einrichtung zur Flügelführung für Flügelzellenpumpe

Title (fr)

Ensemble de commande de palettes pour pompe à palettes

Publication

EP 0466581 B1 19960320 (FR)

Application

EP 91401909 A 19910709

Priority

FR 9008883 A 19900712

Abstract (en)

[origin: EP0466581A1] The invention relates to the sector of vane pumps. <??>The vane control assembly according to the invention, of the type comprising vane pushers inserted into the shaft of the rotor and intended for controlling the withdrawal movement of the vanes from their receptacle in the rotor, each pusher being connected to two diametrically opposed vanes, is characterised in that the pushers (2, 3) are of semi-cylindrical shape and are arranged in groups of two, in such a way that their axes (A-A, B-B), each contained in their plane face (6, 7), converge, so as to slide in respective cylindrical channels (4, 5) perpendicular to the axis of rotation of the shaft (1) and forming an angular deviation relative to one another. <??>The invention is used for the production of reversible vane pumps. <IMAGE>

IPC 1-7

F04C 2/344

IPC 8 full level

F01C 21/08 (2006.01)

CPC (source: EP US)

F01C 21/089 (2013.01 - EP US)

Cited by

DE102014002524B3; CN108252927A; WO2015124134A1; WO2012041283A2

Designated contracting state (EPC)

BE CH DE ES GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0466581 A1 19920115; EP 0466581 B1 19960320; DE 69118033 D1 19960425; DE 69118033 T2 19961031; ES 2086506 T3 19960701; FR 2664662 A1 19920117; FR 2664662 B1 19921023; US 5167497 A 19921201

DOCDB simple family (application)

EP 91401909 A 19910709; DE 69118033 T 19910709; ES 91401909 T 19910709; FR 9008883 A 19900712; US 72910291 A 19910712