

Title (en)

SCROLL TYPE FLUID DISPLACEMENT APPARATUS

Publication

EP 0070617 B1 19850410 (EN)

Application

EP 82302818 A 19820601

Priority

JP 8320981 A 19810530

Abstract (en)

[origin: EP0070617A2] A scroll type fluid displacement apparatus is disclosed which includes a housing (10) having in inlet port (124) and an outlet port (123) connected with the interior (14) thereof, a fixed wrap (122) extending into the interior of the housing (10) from an end plate portion (121) of the housing (10), an orbiting scroll (122) orbitally disposed within the interior (14) with its wrap (222) and the fixed wrap (122) interfitting to form shifting sealed-off fluid pockets. In order to selectively connect between the lower pressure space (141) within the interior (14) and the center space (125) of both wraps, an opening portion (31) is formed through the end plate portion (121) of the housing (10), and a control means (32) is disposed in the opening portion (31) for controlling opening and closing the opening portion (31). Therefore, fluid displacement of the apparatus is controlled by the control means (32).

IPC 1-7

F04C 18/02; **F02B 33/34**; **F02D 23/02**

IPC 8 full level

F04C 18/02 (2006.01); **F01C 1/04** (2006.01); **F01C 20/26** (2006.01); **F02B 33/34** (2006.01); **F02D 23/02** (2006.01); **F04C 2/04** (2006.01); **F04C 18/04** (2006.01); **F04C 28/26** (2006.01)

CPC (source: EP)

F01C 20/265 (2013.01); **F04C 28/26** (2013.01)

Cited by

GB2146075A; EP0144169A3

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0070617 A2 19830126; **EP 0070617 A3 19830309**; **EP 0070617 B1 19850410**; AU 552132 B2 19860522; AU 8434582 A 19821209; DE 3262964 D1 19850515; JP S57198386 A 19821204

DOCDB simple family (application)

EP 82302818 A 19820601; AU 8434582 A 19820531; DE 3262964 T 19820601; JP 8320981 A 19810530