

Title (en)

Scroll type fluid machinery and assembling method of the same.

Title (de)

Fluidanlage der Spiralbauweise und Montageverfahren.

Title (fr)

Equipement pour fluides du type à spirales et son procédé d'assemblage.

Publication

EP 0475545 B1 19941123 (EN)

Application

EP 91250214 A 19910730

Priority

- JP 9261590 U 19900903
- JP 23404790 A 19900904

Abstract (en)

[origin: EP0475545A1] The present invention relates to a scroll type fluid machinery in which a stationary scroll (10) and a revolving scroll having spiral wraps set up on inner surfaces of end plates, respectively, are engaged with each other at a predetermined angle dislocation and housed in a housing with one end opening of a cup-shaped casing (2) blocked with a front case, the stationary scroll (10) is fixed to the cup-shaped casing (2), and the revolving scroll is made to revolve in a solar motion by means of a revolution drive mechanism while checking the rotation on its axis by means of a mechanism for checking rotation on its axis, and an assembling method thereof, in which positioning portions (52,53) which are engaged with a positioning jig (51) are provided in the stationary scroll (10) and the cup-shaped casing (2), respectively, and the positioning portions are utilized. With this, number of parts, working mandays and assembly mandays are reduced and the manufacturing cost may be cut down. <IMAGE>

IPC 1-7

F01C 21/10; **F01C 1/02**

IPC 8 full level

F01C 1/02 (2006.01); **F01C 21/10** (2006.01)

CPC (source: EP KR)

F01C 1/0215 (2013.01 - EP); **F01C 21/102** (2013.01 - EP); **F04C 18/02** (2013.01 - KR); **F04C 2230/60** (2013.01 - EP); **F05B 2230/60** (2013.01 - EP)

Cited by

US6139292A; CN112643573A; EP0855509A1; FR2784145A1; AU738646B2; EP0890744A3; EP0889241A1; US2022235762A1; US11619228B2; EP0890709A1; US6135737A; CN1079490C; US11767838B2; WO9323671A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0475545 A1 19920318; **EP 0475545 B1 19941123**; AU 647794 B2 19940331; AU 7822091 A 19920305; CA 2043569 A1 19920304; CA 2043569 C 19950509; CN 1024941 C 19940608; CN 1059585 A 19920318; DE 69105252 D1 19950105; DE 69105252 T2 19950330; KR 920006649 A 19920427; KR 950013020 B1 19951024

DOCDB simple family (application)

EP 91250214 A 19910730; AU 7822091 A 19910606; CA 2043569 A 19910530; CN 91104203 A 19910621; DE 69105252 T 19910730; KR 910015324 A 19910903