

Title (en)
DEVICE AND METHOD FOR POSITIONING FIXED SCROLL

Title (de)
VORRICHTUNG UND VERFAHREN ZUM POSITIONIEREN EINER FIXEN SPIRALE

Title (fr)
DISPOSITIF ET PROCÉDÉ DE POSITIONNEMENT DE VIS FIXE

Publication
EP 2096311 A1 20090902 (EN)

Application
EP 07851096 A 20071221

Priority
• JP 2007074744 W 20071221
• JP 2006354303 A 20061228

Abstract (en)
For positioning a fixed scroll (34) by moving it in the X-axis direction and the Y-axis direction in assembling a scroll fluid machinery, in order to increase the positioning accuracy by definitely preventing rotation of the fixed scroll (34), position detection is performed plural times for determining the center of the fixed scroll (34). The position detection is performed in such a way that a direction in which the fixed scroll (34) is to be moved is determined on the basis of a phase of an orbiting scroll (31); and in a part of the fixed scroll (34) where the outer peripheral face of the fixed scroll wrap (35) separates from the inner peripheral face of the fixed scroll wrap (35), when the fixed scroll (34) is pushed back against the orbiting scroll wrap (32) by contact of the outer peripheral face of an orbiting scroll wrap (32) with the inner peripheral face of a fixed scroll wrap (35) upon inversion of the orbiting scroll (31) after the fixed scroll (34) is moved, the position detection mechanism (65) detects the position thereof as a contact point of the wraps (32, 35).

IPC 8 full level
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CPC (source: EP)
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Cited by
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