

Title (en)  
POSITIONING DEVICE FOR FIXED SCROLL

Title (de)  
VORRICHTUNG ZUM POSITIONIEREN EINER FIXEN SPIRALE

Title (fr)  
DISPOSITIF DE POSITIONNEMENT DE VIS FIXE

Publication  
**EP 2096313 A4 20141210 (EN)**

Application  
**EP 07851098 A 20071221**

Priority  
• JP 2007074746 W 20071221  
• JP 2006354320 A 20061228

Abstract (en)  
[origin: EP2096313A1] In 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 perform simple and accurate detection of the phases of a crank shaft (20) and an orbiting scroll (31), a to-be-detected part for phase detection is formed at the orbiting scroll (31) while a notch allowing the to-be-detected part to be observed from the outside is formed in the fixed scroll. Further, there are provided a sensor (92) movable to a point facing the notch of the fixed scroll and a phase detection mechanism (90) detecting the phase of the orbiting scroll (31) on the basis of the position change of the to-be-detected part of the orbiting scroll (31) which is accompanied by rotation of the crank shaft (20).

IPC 8 full level  
**F04C 18/02** (2006.01); **F01C 1/02** (2006.01)

CPC (source: EP)  
**F01C 1/0215** (2013.01); **F04C 2230/603** (2013.01)

Citation (search report)  
• [I] JP 2006207529 A 20060810 - DAIKIN IND LTD  
• [ID] JP 2006207528 A 20060810 - DAIKIN IND LTD  
• [A] JP S63295886 A 19881202 - TOSHIBA CORP  
• See references of WO 2008081761A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2096313 A1 20090902; EP 2096313 A4 20141210; EP 2096313 B1 20180221**; CN 101573537 A 20091104; CN 101573537 B 20111123; JP 2008163839 A 20080717; JP 4135029 B2 20080820; WO 2008081761 A1 20080710

DOCDB simple family (application)  
**EP 07851098 A 20071221**; CN 200780048522 A 20071221; JP 2006354320 A 20061228; JP 2007074746 W 20071221