

Title (en)
SEALED FLUID MACHINE MANUFACTURING METHOD AND SEALED FLUID MACHINE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER DICHTUNGSFLÜSSIGKEITSMASCHINE UND DICHTUNGSFLÜSSIGKEITSMASCHINE

Title (fr)
PROCÉDÉ DE PRODUCTION DE MACHINE À FLUIDE ÉTANCHE ET MACHINE À FLUIDE ÉTANCHE

Publication
EP 2330301 A1 20110608 (EN)

Application
EP 10758508 A 20100325

Priority
• JP 2010055159 W 20100325
• JP 2009087512 A 20090331

Abstract (en)
It relates to a sealed fluid machine manufacturing method and a sealed fluid machine with which it is possible to reduce/prevent shifting of a shaft center and to precisely assemble multiple sets of fluid machines to achieve higher performance thereof, even if the shaft length of a rotation shaft is large. A sealed fluid machine manufacturing method (1) in which multiple sets of fluid machines (20, 30) are securely installed, via support members (22, 31), in a sealed container (2) and are separated from each other with a predetermined gap, wherein a gap between the support member (22) of the first fluid machine (20), which is one of the multiple sets of the fluid machines (20, 30), and an inner circumference of the sealed container (2), defined as (S1), and a gap between the support member (31) of the second fluid machine (30) and an inner circumference of the sealed container (2), defined as S2, are set to be $S1 > S2$, and the multiple sets of fluid machines (20, 30) are assembled by securely installing, first, the support member (31) of the second fluid machine (30) for which the gap (S2) is made small, in the sealed container (2), and then by securely installing the support member (22) of the first fluid machine (20) for which the gap (S1) is made large in the sealed container (2).

IPC 8 full level
F04C 23/00 (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)
F04C 23/005 (2013.01); **F04C 23/008** (2013.01); **F04C 18/0215** (2013.01); **F04C 2230/60** (2013.01); **F04C 2230/602** (2013.01); **F04C 2240/30** (2013.01)

Cited by
US2016305431A1; EP3073118A1; US2016281717A1; US10670017B2; US11614086B2; EP3940230B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
EP 2330301 A1 20110608; **EP 2330301 A4 20161026**; **EP 2330301 B1 20180829**; JP 2010236488 A 20101021; JP 5535511 B2 20140702; WO 2010113735 A1 20101007

DOCDB simple family (application)
EP 10758508 A 20100325; JP 2009087512 A 20090331; JP 2010055159 W 20100325