

Title (en)  
SCROLL TYPE FLUID MACHINE

Title (de)  
FLUIDMASCHINE DER SPIRALBAUART

Title (fr)  
MACHINE À FLUIDE DE TYPE À VOLUTE

Publication  
**EP 3109475 B1 20190807 (EN)**

Application  
**EP 14883157 A 20140221**

Priority  
JP 2014054101 W 20140221

Abstract (en)  
[origin: EP3109475A1] It is an object of the present invention to realize reliability improvement and a long life of a rotation preventing mechanism by preventing heat from being directly transferred from an orbiting scroll to a rotation preventing mechanism. The present invention includes a fixed scroll, an orbiting scroll provided to be opposed to the fixed scroll and moved to orbit, a casing provided on an outer side of the orbiting scroll, a driving shaft for driving the orbiting scroll, a back face plate fastened to the orbiting scroll and connected to the driving shaft by a boss portion, and a rotation preventing mechanism provided between the casing and the boss plate for preventing a rotation of the orbiting scroll, in which the back face plate includes a rotation preventing mechanism side back face plate integrally provided with the rotation preventing mechanism and a driving shaft side back face plate integrally provided with the boss portion, and the rotation preventing mechanism side back face plate is not in contact with the orbiting scroll.

IPC 8 full level  
**F04C 18/02** (2006.01); **F01C 17/06** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR)  
**F01C 17/063** (2013.01 - EP); **F04C 18/02** (2013.01 - KR); **F04C 18/0215** (2013.01 - EP); **F04C 29/04** (2013.01 - EP KR); **F04C 2240/30** (2013.01 - KR); **F04C 2240/60** (2013.01 - KR); **F04C 2240/805** (2013.01 - EP)

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3109475 A1 20161228**; **EP 3109475 A4 20180124**; **EP 3109475 B1 20190807**; CN 105849411 A 20160810; CN 105849411 B 20190308; JP 6205478 B2 20170927; JP WO2015125261 A1 20170330; KR 101886668 B1 20180809; KR 20160070135 A 20160617; WO 2015125261 A1 20150827

DOCDB simple family (application)  
**EP 14883157 A 20140221**; CN 201480071454 A 20140221; JP 2014054101 W 20140221; JP 2016503841 A 20140221; KR 20167012627 A 20140221