

Title (en)
SCROLL FLUID MACHINE

Title (de)
SPIRALFLUIDMASCHINE

Title (fr)
MACHINE À FLUIDES À VOLUTE

Publication
EP 3109475 A4 20180124 (EN)

Application
EP 14883157 A 20140221

Priority
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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.

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Citation (search report)

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- [A] US 5632612 A 19970527 - SHAFFER ROBERT [US]
- [A] US 2012315174 A1 20121213 - IWANO KIMINORI [JP], et al
- See references of WO 2015125261A1

Designated contracting state (EPC)
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