

Title (en)

Tip seal in a scroll fluid machine

Title (de)

Spitzendichtung in einer Spiralf fluidmaschine

Title (fr)

Joint d'extrémité dans une machine de défilement de fluide

Publication

EP 1826409 A3 20090805 (EN)

Application

EP 07003617 A 20070222

Priority

JP 2006052886 A 20060228

Abstract (en)

[origin: EP1826409A2] A scroll fluid machine comprises an orbiting scroll and a fixed scroll. The orbiting scroll has an orbiting wrap and the fixed scroll has a fixed wrap. An engagement groove is formed at the end of the orbiting or fixed wrap. A tip seal engages in the engagement groove and comprises a PTFE sealing material on a sintered carbon backup material bonded with an adhesive made of epoxy resin.

IPC 8 full level

F04C 27/00 (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP US)

F04C 27/005 (2013.01 - EP US); **F04C 18/0215** (2013.01 - EP US); **F05C 2203/0808** (2013.01 - EP US); **F05C 2225/04** (2013.01 - EP US)

Citation (search report)

- [AD] JP 3248618 B2 20020121 - ANEST IWATA CORP
- [AD] JP H06207588 A 19940726 - KOBE STEEL LTD
- [A] JP H0777181 A 19950320 - KOBE STEEL LTD
- [A] US 2002168506 A1 20021114 - ISHII TAKUYA [JP]

Cited by

DE102010025988A1

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1826409 A2 20070829; **EP 1826409 A3 20090805**; CN 100523507 C 20090805; CN 101074668 A 20071121; JP 2007231796 A 20070913; US 2007207047 A1 20070906

DOCDB simple family (application)

EP 07003617 A 20070222; CN 200710129300 A 20070228; JP 2006052886 A 20060228; US 71031507 A 20070223