

Title (en)  
Scroll fluid machine

Title (de)  
Spiralf fluidmaschine

Title (fr)  
Machine à spirales

Publication  
**EP 1837525 A2 20070926 (EN)**

Application  
**EP 07004882 A 20070309**

Priority  
JP 2006080147 A 20060323

Abstract (en)  
A scroll fluid machine comprises a fixed scroll (20) and an orbiting scroll that engages with the fixed scroll (20) to form a compression chamber between the fixed and orbiting scrolls. Near the outer circumference of the fixed and/or orbiting scroll, an annular dust-seal groove (27) is provided. In the groove, a dust seal fits to prevent a gas from coming into the compression chamber or from leaking out of the compression chamber. In the dust-seal groove (27), an annular holder (5) or piece is provided to prevent heat from transferring to the dust seal.

IPC 8 full level  
**F04C 27/00** (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP US)  
**F04C 18/0215** (2013.01 - EP US); **F04C 27/005** (2013.01 - EP US); **F04C 29/04** (2013.01 - EP US)

Cited by  
EP3483446A4; US11085444B2

Designated contracting state (EPC)  
DE FR GB

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1837525 A2 20070926**; **EP 1837525 A3 20100609**; CN 100523506 C 20090805; CN 101042138 A 20070926; JP 2007255283 A 20071004; US 2007224072 A1 20070927

DOCDB simple family (application)  
**EP 07004882 A 20070309**; CN 200710090049 A 20070321; JP 2006080147 A 20060323; US 72444007 A 20070315