

Title (en)

Tip seal in a scroll fluid machine

Title (de)

Spitzendichtung eines Spiralverdichters

Title (fr)

Joint d'extrémité d'un compresseur à volutes

Publication

EP 1770282 A1 20070404 (EN)

Application

EP 06018952 A 20060911

Priority

JP 2005282439 A 20050928

Abstract (en)

In a scroll fluid machine, an orbiting scroll comprises an orbiting end plate having an orbiting wrap and a fixed scroll comprises a fixed end plate having a fixed wrap. An engagement groove is formed at the tip ends of the orbiting wrap and fixed wrap, and/or the fixed or orbiting end plate. A seal is fitted in the engagement groove in sliding contact with a counter member. The seal comprises a sealing material and a backup material between the sealing material and the bottom of the engagement groove. The backup material has a plurality of projections which elastically stretch to press the inner circumferential surface of the engagement groove when the seal is pressed.

IPC 8 full level

F04C 27/00 (2006.01); **F01C 19/08** (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP KR US)

F01C 19/08 (2013.01 - EP US); **F04C 18/02** (2013.01 - KR); **F04C 18/0215** (2013.01 - EP US); **F04C 27/00** (2013.01 - KR); **F04C 27/005** (2013.01 - EP US); **F04C 27/02** (2013.01 - KR)

Citation (search report)

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FR GB

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