

Title (en)
DYNAMIC SEAL

Title (de)
DYNAMISCHE DICHTUNG

Title (fr)
JOINT DYNAMIQUE

Publication
EP 1252446 B1 20081008 (DE)

Application
EP 00988779 A 20001209

Priority
• DE 10004263 A 20000201
• EP 0012469 W 20001209

Abstract (en)
[origin: DE10004263A1] The invention relates to a seal between a rotating part and a stationary part. At least one of the parts is provided with projections which protrude into the seal gap. According to the invention, the seal gap (5) extends approximately radially so that both parts are provided with projections which extend in an axial direction, which are located concentrically in relation to the axis of rotation of the rotating parts and which engage with each other. Said projections are configured in the form of rows of blade-like elements. This provides an effective means of sealing approximately radially extending seal gaps.
[origin: DE10004263A1] The seal between a stationary and a rotating component consists of blades (2, 3) arranged in a herringbone pattern. These are attached to the stationary and the moving component.

IPC 8 full level
F04D 29/08 (2006.01); **F04D 19/04** (2006.01); **F04D 29/10** (2006.01); **F04D 29/12** (2006.01); **F16J 15/447** (2006.01)

CPC (source: EP US)
F04D 19/042 (2013.01 - EP US); **F04D 29/083** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 10004263 A1 20010802; DE 50015396 D1 20081120; EP 1252446 A1 20021030; EP 1252446 B1 20081008; JP 2003521651 A 20030715; JP 4805515 B2 20111102; US 2003108440 A1 20030612; US 6705844 B2 20040316; WO 0157403 A1 20010809

DOCDB simple family (application)
DE 10004263 A 20000201; DE 50015396 T 20001209; EP 0012469 W 20001209; EP 00988779 A 20001209; JP 2001556017 A 20001209; US 20305602 A 20020731