

Title (en)

LABYRINTH SEAL HAVING LABYRINTH RINGS WITH DIFFERENT WEAR RESISTANCES

Title (de)

LABYRINTHDICHTUNG MIT UNTERSCHIEDLICH VERSCHLEIßENDEN LABYRINTHRINGEN

Title (fr)

JOINT LABYRINTHE COMPRENANT DES BAGUES À LABYRINTHE À USURE DIFFÉRENTIELLE

Publication

EP 2786050 A1 20141008 (DE)

Application

EP 12797836 A 20121128

Priority

- DE 102011087207 A 20111128
- EP 2012073845 W 20121128

Abstract (en)

[origin: WO2013079535A1] A labyrinth seal (10) having a first labyrinth ring (11) and a second labyrinth ring (12), wherein in a mounted state of the labyrinth seal (10) the first and second labyrinth ring (11, 12) at least partly intermesh in an overlapping manner and are rotatable in relation to each other, and wherein in the mounted state surfaces of the first and second labyrinth ring (11, 12) facing each other have different wear resistances.

IPC 8 full level

F16J 15/44 (2006.01); **F16J 15/453** (2006.01)

CPC (source: EP KR US)

B23P 6/00 (2013.01 - US); **F01D 11/02** (2013.01 - KR); **F01D 11/08** (2013.01 - KR); **F16J 15/16** (2013.01 - KR); **F16J 15/445** (2013.01 - EP US); **F16J 15/447** (2013.01 - KR); **F16J 15/453** (2013.01 - EP US); **F16C 33/80** (2013.01 - EP US); **Y10T 29/49719** (2015.01 - EP US); **Y10T 29/49826** (2015.01 - EP US)

Citation (search report)

See references of WO 2013079535A1

Citation (examination)

US 3547455 A 19701215 - DAUNT JOHN EDWARD

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011087207 A1 20130529; CN 103958948 A 20140730; CN 103958948 B 20161123; EP 2786050 A1 20141008; JP 2015502506 A 20150122; KR 20140096081 A 20140804; US 2014333032 A1 20141113; US 9151391 B2 20151006; WO 2013079535 A1 20130606

DOCDB simple family (application)

DE 102011087207 A 20111128; CN 201280057702 A 20121128; EP 12797836 A 20121128; EP 2012073845 W 20121128; JP 2014543877 A 20121128; KR 20147014199 A 20121128; US 201214361095 A 20121128