

Title (en)

RING SEALS FOR SCREW PUMP ROTORS

Title (de)

RINGDICHTUNGEN FÜR SCHNECKENPUMPENROTOREN

Title (fr)

BAGUES D'ÉTANCHÉITÉ POUR ROTORS DE POMPE À VIS

Publication

**EP 2324246 A1 20110525 (EN)**

Application

**EP 09790424 A 20090715**

Priority

- US 2009050613 W 20090715
- US 19132408 A 20080814

Abstract (en)

[origin: WO2010019337A1] A pump rotor (40) for a screw pump, comprising a shaft (42), a thread (44) on the shaft, the thread comprising a groove (48) disposed on an outer surface thereof, and a seal (50) disposed in the groove. The seal and the groove are configured to retain the seal in the groove while allowing radial displacement of the seal with respect to the thread as the pump rotor is deflected.

IPC 8 full level

**F04C 2/16** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)

**F04C 2/16** (2013.01 - EP US); **F04C 15/0011** (2013.01 - EP US); **F04C 2210/24** (2013.01 - EP US)

Citation (search report)

See references of WO 2010019337A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**WO 2010019337 A1 20100218**; **WO 2010019337 A9 20100910**; BR PI0912438 A2 20160105; CN 102124227 A 20110713; EP 2324246 A1 20110525; US 2010040499 A1 20100218

DOCDB simple family (application)

**US 2009050613 W 20090715**; BR PI0912438 A 20090715; CN 200980132461 A 20090715; EP 09790424 A 20090715; US 19132408 A 20080814