

Title (en)

DYNAMIC SEAL

Title (de)

DYNAMISCHE DICHTUNG

Title (fr)

JOINT D'ÉTANCHÉITÉ DYNAMIQUE

Publication

**EP 1969260 A2 20080917 (EN)**

Application

**EP 06836629 A 20061030**

Priority

- US 2006042207 W 20061030
- US 28565205 A 20051122

Abstract (en)

[origin: WO2007061575A2] A dynamic shaft seal assembly is provided including a dynamic seal for engaging a rotary shaft. The dynamic seal includes a base portion that is mounted within a casing and has an axially extending barrel portion extending from a radially inner end of the base portion. The axially extending barrel portion terminates in a radially extending leg portion which extends inwardly from an end of the axially extending portion. A generally conically shaped seal portion extends from an end of the radially extending portion and the seal portion includes a radially inner face engaging the shaft and a radially outer face having a stiffening bead integrally formed thereon. The stiffening bead reduces the seal's propensity for "bell mouthing" while the axially extending barrel portion provides improved shaft followability for the dynamic seal.

IPC 8 full level

**F16J 15/32** (2006.01)

CPC (source: EP)

**F16J 15/3204** (2013.01); **F16J 15/322** (2013.01); **F16J 15/3224** (2013.01); **F16J 15/3244** (2013.01); **F16J 15/3256** (2013.01)

Citation (search report)

See references of WO 2007061575A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2007061575 A2 20070531**; **WO 2007061575 A3 20090507**; BR PI0618880 A2 20110913; BR PI0618880 B1 20200303; EP 1969260 A2 20080917

DOCDB simple family (application)

**US 2006042207 W 20061030**; BR PI0618880 A 20061030; EP 06836629 A 20061030