

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)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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