

Title (en)  
TILTING PAD BEARING

Title (de)  
KIPPSEGMENTLAGER

Title (fr)  
PALIER À PATIN OSCILLANT

Publication  
**EP 2619468 A4 20150506 (EN)**

Application  
**EP 11827735 A 20110926**

Priority  
• US 38605410 P 20100924  
• US 2011053303 W 20110926

Abstract (en)  
[origin: WO2012040722A2] A tilting pad bearing comprises a piston carrier ring that may include a plurality of voids spaced around the piston carrier ring, wherein a channel may be formed in a surface of the piston carrier ring opposite the plurality of voids. A carrier end plate may be positioned in the channel and secured to the piston carrier ring, wherein a recess may be formed in a top surface of the carrier end plate. A piston may be positioned in each void, wherein a bottom face of each piston is positioned adjacent the recess. The pistons may be substantially secured in the voids using a plurality of membranes, wherein one membrane corresponds to one piston and one void. Alternatively, the pistons may be formed in two pieces secured via a membrane. Each piston may be engaged with a bearing pad and/or interface member in a bearing pad carrier ring.

IPC 8 full level  
**F16C 17/06** (2006.01); **F16C 32/06** (2006.01); **F16C 41/02** (2006.01)

CPC (source: EP)  
**F16C 17/06** (2013.01); **F16C 41/02** (2013.01); **F16C 2300/14** (2013.01)

Citation (search report)  
• [A] US 4544285 A 19851001 - SHAPIRO WILBUR [US], et al  
• [XD] GB 1140773 A 19690122 - GLACIER CO LTD  
• [XI] US 1425979 A 19220815  
• [X] FR 2340470 A1 19770902 - POLYSIUS AG [DE]  
• [X] GB 2014251 A 19790822 - POLYSIUS AG  
• [X] EP 1770318 A2 20070404 - ELLIOT COMPANY [US]  
• See references of WO 2012040722A2

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)  
**WO 2012040722 A2 20120329; WO 2012040722 A3 20120719**; CN 103168179 A 20130619; EP 2619468 A2 20130731;  
EP 2619468 A4 20150506; JP 2013541680 A 20131114

DOCDB simple family (application)  
**US 2011053303 W 20110926**; CN 201180049047 A 20110926; EP 11827735 A 20110926; JP 2013530402 A 20110926