

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.

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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)
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