

Title (en)
ROTARY PISTON ACTUATOR ANTI-ROTATION CONFIGURATIONS

Title (de)
DREHAKTORANORDNUNG

Title (fr)
CONFIGURATION POUR VERIN ROTATIF

Publication
EP 3473866 A1 20190424 (EN)

Application
EP 18210141 A 20150130

Priority
• US 201414491523 A 20140919
• EP 15703705 A 20150130
• US 2015013707 W 20150130

Abstract (en)
A rotary actuator includes a housing having an interior boundary that defines a central bore and has interior recesses, a chamber housing assembly disposed in the central bore and having an arcuate chamber, the arcuate chamber comprising a cavity, an exterior boundary of the chamber housing assembly having exterior recesses, each of the exterior recesses aligned with a respective one of the interior recesses, pins residing between the interior boundary and the exterior boundary, each of the pins mated to one of the exterior recesses and a corresponding one of the interior recesses to maintain an orientation of the chamber housing assembly with respect to the housing, a rotor assembly rotatably journaled in the chamber housing assembly and comprising a rotary output shaft and a rotor arm, and an arcuate-shaped piston disposed in the chamber housing assembly for reciprocal movement in the arcuate chamber.

IPC 8 full level
F15B 15/12 (2006.01)

CPC (source: EP)
F15B 15/125 (2013.01)

Citation (search report)
• [XA] US 2014238231 A1 20140828 - KIM JOSEPH H [US], et al
• [A] US 2014271296 A1 20140918 - KIM JOSEPH H [US], et al
• [A] US 3731546 A 19730508 - MACDONALD J
• [A] US 2009108129 A1 20090430 - FLATT JAMES E [US]
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Designated contracting state (EPC)
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