

Title (en)
ROTARY MOTION CONTROL APPARATUS WITH ZERO-BACKLASH

Title (de)
DREHBEWEGUNGSSTEUERUNGSVORRICHTUNG MIT NULLRÜCKSPIEL

Title (fr)
APPAREIL DE COMMANDE DE MOUVEMENT ROTATIF À JEU NUL

Publication
EP 4320364 A1 20240214 (EN)

Application
EP 22719130 A 20220404

Priority

- US 202163170601 P 20210405
- US 2022023230 W 20220404

Abstract (en)
[origin: WO2022216569A1] A rotor (46) is rotationally received in an operational cavity defined by a housing (12) including an output flange (34) and allows flexible movement of a friction facing (50). The friction facing (50) is intermediate an actuation plate (60) and output flange (34). Cylindrical cavities (30) in the housing (12) receive springs (86) biasing the actuation plate (60) towards the friction facing (50). An annular cavity (26) in the housing (12) receives an electromagnet (90) drawing the actuation plate (60) towards and against the bias of the springs (86). A flexible plate (70) moveably connects the actuation plate (60) to the housing (12). First fasteners (76) extending into the annular cavity (26) and through the flexible plate (70) and into the actuation plate (60). Second fasteners (80) extending through bores (62) extending through the actuation plate (60) and extending through the flexible plate (70) and into the housing (12).

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CPC (source: EP)
F16D 27/112 (2013.01); **F16D 59/02** (2013.01); **F16D 2027/007** (2013.01)

Citation (search report)
See references of WO 2022216569A1

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DOCDB simple family (publication)
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