

Title (en)
GEAR BEARING DRIVE

Title (de)
ZAHNRADLAGERANTRIEB

Title (fr)
ENTRAÎNEMENT DE PALIER D'ENGRENAGE

Publication
EP 2179197 A1 20100428 (EN)

Application
EP 07796944 A 20070719

Priority
US 2007016366 W 20070719

Abstract (en)
[origin: WO2009011682A1] A gear bearing drive provides a compact mechanism that operates as an actuator providing torque and as a joint providing support. The drive includes a gear arrangement integrating an external rotor DC motor within a sun gear. Locking surfaces maintain the components of the drive in alignment and provide support for axial loads and moments. The gear bearing drive has a variety of applications, including as a joint in robotic arms and prosthetic limbs.

IPC 8 full level
F16H 1/36 (2006.01); **A61F 2/54** (2006.01); **A61F 2/68** (2006.01)

CPC (source: EP US)
A61F 2/54 (2013.01 - EP); **A61F 2/70** (2013.01 - EP US); **B25J 9/102** (2013.01 - EP); **F16H 1/36** (2013.01 - EP); **A61F 2002/6836** (2013.01 - EP); **A61F 2002/6845** (2013.01 - EP)

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Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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