

Title (en)  
AN AXIAL PLUNGER PUMP OR MOTOR

Title (de)  
AXIALKOLBENPUMPE ODER -MOTOR

Title (fr)  
POMPE OU MOTEUR A PISTONS AXIAUX

Publication  
**EP 2012010 A1 20090107 (EN)**

Application  
**EP 07720394 A 20070313**

Priority  
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Abstract (en)  
An axial plunger pump or motor comprises a casing (1), a main shaft (2), a rotor cylinder (14), a rotary swash plate (9) and a plurality of plunger assemblies (10), wherein a constant velocity universal coupling (11) transmits torques between the rotary swash plate and the main shaft, such that the main shaft (14) and the rotary swash plate (9) rotate about the axes of the main shaft and the swash plate (41, 91), respectively, so as to realize energy transition between hydraulic energy and rotary mechanical energy.

IPC 8 full level  
**F04B 39/00** (2006.01)

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Cited by  
NL2005504C2; EP3438451A4; US10830221B2; US11067067B2; WO2012150069A1; WO2012050446A1; US10808686B2; US10914172B2

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