

Title (en)  
ROTATION DEVICE FOR SUSPENDED LOADS

Publication  
**EP 0080670 B1 19870506 (DE)**

Application  
**EP 82110702 A 19821119**

Priority  
DE 3146695 A 19811125

Abstract (en)  
[origin: EP0080670A1] 1. A rotation device for suspended loads, particularly for excavator or crane grabs or lifting magnets, having a stator (1), a rotor (6) pivotably fixed on the stator by means of a roller-contact bearing assembly (4) and which can be driven by a preferably hydraulic drive mechanism (8), characterised in that the roller-contact bearing assembly (4) is designed as a four-point bearing whose running faces (10, 60) for the roller-contact bearing unit (41) are moulded directly into the stator and rotor material and complement each other to form a closed annular space, and in that one of the parts exhibiting the running faces (10) is designed as a threaded ring (13) detachably joined to an outer thread (17) on the associated cupshaped casing portion (12), which incorporates the drive mechanism (8) and is provided with a corresponding counterthread, where the peripheral region of said threaded ring which is accessible from the exterior exhibits a recess (18) for an assembly tool exerting a torque on the threaded ring (13).

IPC 1-7  
**B66C 13/08**; **E02F 3/413**

IPC 8 full level  
**B66C 13/08** (2006.01); **E02F 3/413** (2006.01); **E02F 3/36** (2006.01)

CPC (source: EP)  
**B66C 3/005** (2013.01); **B66C 13/08** (2013.01); **E02F 3/3681** (2013.01); **E02F 3/4135** (2013.01)

Cited by  
CN112154117A; DE3720306A1; EP3981727A1; DE4335678C2; WO2011128427A3; WO03082725A1; WO2016099372A1

Designated contracting state (EPC)  
DE FR IT SE

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**EP 0080670 A1 19830608**; **EP 0080670 B1 19870506**; DE 3146695 A1 19830707; DE 3146695 C2 19930422; DE 3276234 D1 19870611

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