Title (en)

DEVICE FOR REMOTE TRANSMITTING OF ROTATION ANGLE AND TORQUE BETWEEN DRIVING AND DRIVEN SHAFT.

Title (de)

VORRICHTUNG ZUR FERNÜBERTRAGUNG VON DREHWINKEL UND DREHMOMENT ZWISCHEN ANTREIBENDEN UND ANGETRIEBENEN WELLEN.

Title (fr)

DISPOSITIF POUR LA TRANSMISSION A DISTANCE DE L'ANGLE DE ROTATION ET DE LA TORSION ENTRE UN ARBRE D'ENTRAINEMENT ET UN ARBRE ENTRAINE.

Publication

EP 0321566 A4 19891212 (DE)

Application

EP 87906039 A 19870619

Priority

SU 8700077 W 19870619

Abstract (en)

[origin: WO8810482A1] A device for remote transmitting of rotation angle and torque between a driving and a driven shaft in which a driving and a driven synchronous machine (1, 2) are connected through their shafts (3, 4) to a driving and a driven shaft (5, 6), one of them being provided with a position pick-up (9) the output of which is connected to the controlling input (10) of a unit (11) for generating the current in the windings of the driving and the driven synchronous machines. The controlling input (12) of the current-generating unit (11) is electrically connected to the output of a unit (13) for presetting the magnetic field amplitudes of the stators of the driving and the driven synchronous machines, the inputs of that unit being connected to two torque pick-ups (14, 15) connected, in turn, with the shafts (3, 4) of the driving and the driven synchronous machines (1, 2). The outputs of the current generating unit (11) are connected to the electrically interconnected corresponding windings of the driving and the driven synchronous machines (1, 2).

IPC 1-7

G08C 19/38; H02K 29/06

IPC 8 full level

G08C 19/38 (2006.01)

CPC (source: EP)

G08C 19/38 (2013.01)

Citation (search report)

- [AD] SU 1176425 A1 19850830 - BRUSS G UNIV IM V I LENI [SU]
- [A] SU 1257690 A1 19860915 - BRUSS G UNIV IM V I LENI [SU]
- See references of WO 8810482A1

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

WO 8810482 A1 19881229; EP 0321566 A1 19890628; EP 0321566 A4 19891212; FI 890753 A0 19890216; FI 890753 A 19890216; JP H02500694 A 19900308

DOCDB simple family (application)

SU 8700077 W 19870619; EP 87906039 A 19870619; FI 890753 A 19890216; JP 50541087 A 19870619