

Title (en)

LOCKING DEVICE FOR A DRIVE UNIT FOR ACTUATING A CONNECTION DEVICE OF A SWITCHING ASSEMBLY

Title (de)

VERRIEGELUNGSVORRICHTUNG FÜR EINE ANTRIEBSEINHEIT ZUR BETÄTIGUNG EINES SCHALTGERÄTES EINER SCHALTANLAGE

Title (fr)

DISPOSITIF DE VERROUILLAGE POUR UNE UNITÉ D'ENTRAÎNEMENT DESTINÉE À ACTIONNER UN APPAREIL DE CONNEXION D'UNE INSTALLATION DE COMMUTATION

Publication

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Application

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Abstract (en)

[origin: WO2013013775A2] The invention relates to a locking device for a drive unit for actuating a connection device of a switching assembly, said locking device comprising a spindle drive for actuating the connection device and a gear mechanism which is coupled therein, and can be driven by a drive motor or a manually controlled device and after a defined number of partial rotations of a drive shaft, connected to the gear mechanism, of the spindle arrangement, the connection device locks such that said connection device is brought into one of three predetermined locking positions and said position is displayed by means of at least one provided position display module. The gear mechanism comprises two mutually engaged toothed wheels (130, 140) having a defined transmission ratio, each toothed wheel (130, 140) interacting respectively with three thus connected locking disks (131, 132, 133, 134, 135, 136) and each locking position can be transmitted to a shift rod (10.1, 10.2, 10.3) arranged therein by respectively one of the three locking elements (210, 220, 230) which engage with pairs of locking disks (131, 132; 133, 134; 135, 136) associated with the locking elements (210, 220, 230), in order to display the shift position on the position display module.

IPC 8 full level

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