

Title (en)

Motorisation assembly for switching points

Title (de)

Motorgetriebe zur Steuerung einer Weiche

Title (fr)

Ensemble de motorisation pour la manoeuvre d'un aiguillage

Publication

EP 0908369 B1 20020116 (FR)

Application

EP 98402467 A 19981006

Priority

FR 9712509 A 19971007

Abstract (en)

[origin: EP0908369A1] The motor (1) torque is transmitted through the flange (12) of a hub (11), keyed to the drive-shaft (2), to a plate (14) solidly connected to the torque limiter's input face (15). Flange and plate are connected by three equally spaced balls (16) retained, in holes (18) in the plate and in conical seats (17) in the flange, by a collar (19). A helical spring (20), seated in a grooved nut (21) on the threaded hub end, exerts pressure on the collar, adjustable by rotating the nut. If the torque, though below the limiter setting, exceeds a threshold dependent on this pressure, the balls, expelled from the seats, drive the collar towards the motor. A flange (9) on the collar approaches a proximity sensor (8), operates a contact-initiating an alarm, while torque transmission continues through contact of studs (22) on the plate with the sides of apertures (23) in the flange.

IPC 1-7

B61L 5/10; **B61L 5/06**

IPC 8 full level

B61L 5/06 (2006.01); **B61L 5/10** (2006.01)

CPC (source: EP)

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