

Title (en)

DEVICE FOR ADJUSTING THE RELATIVE ROTATIONAL POSITION BETWEEN A TOOTHED WHEEL AND A COAXIAL TOOTHED CROWN

Publication

**EP 0239830 B1 19910123 (DE)**

Application

**EP 87103132 A 19870305**

Priority

DE 3611325 A 19860404

Abstract (en)

[origin: US4787261A] A device for setting a relative rotational position of a gearwheel and a ring gear disposed coaxially mounted and turnable on an annular extension of the gearwheel includes a plurality of radially extending pressure levers actuatable in common by an axially adjustable, centrally disposed adjusting element for releasing a spring-biased positive connection of mutually engaging faces of the gearwheel and the ring gear by reducing the spring bias acting upon the faces, the pressure levers being loosely disposed between the annular extension of the gearwheel and a clamping disc adjacent thereto, the pressure levers being received in radial grooves formed in the clamping disc and being pivotally braced at a first contact region located between the ends thereof against one of the annular extension and the clamping disc, the adjusting element being displaceable over a distance, during a first portion of which the spring bias increases from a relatively low value to a value necessary for maintaining the relative rotational position of the gearwheel and the ring gear and, during a second portion of the distance displaceable by the adjusting element, the spring bias necessary for maintaining the relative rotational position of the gearwheel and the ring gear is at least maintained, and an electric switch connected in a supply-current circuit of a machine drive is actuatable by the element.

IPC 1-7

**B41F 13/00; B41F 21/10**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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**EP 0239830 A2 19871007; EP 0239830 A3 19890201; EP 0239830 B1 19910123**; CA 1280010 C 19910212; CN 1008160 B 19900530; CN 87102579 A 19881026; DE 3611325 A1 19871008; DE 3611325 C2 19910725; DE 3767526 D1 19910228; JP S62237160 A 19871017; JP S62237161 A 19871017; JP S62237162 A 19871017; US 4787261 A 19881129

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