

Title (en)

ACTUATOR FOR ADJUSTING THE ANGLE OF ROTATION OF A SETTING DEVICE

Title (de)

STELLANTRIEB ZUR DREHWINKELVERSTELLUNG EINES STELLGLIEDES

Title (fr)

ORGANE CORRECTEUR POUR AJUSTER L'ANGLE DE ROTATION D'UN ELEMENT DE REGLAGE

Publication

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Application

**EP 93914632 A 19930717**

Priority

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- DE 9300630 W 19930717

Abstract (en)

[origin: DE4226548A1] In a prior art actuator the stator is either made in two parts or the exciting winding must be fitted directly on the stator, involving a laborious production process. The novel actuator is intended to provide simple and economical production with good setting properties. The sheet metal laminations (6) forming the stator (3) of the actuator (1) have weakened points in the region of the poles formed by either cut-outs (41) or cuts (42). An induction core (4) with a winding (5) is inserted into a yoke formed on the stator (3) so that a magnetic field can be induced in the stator (3). The alternating combination of sheet metal laminations having cuts (42) and cut-outs (41) makes it possible to optimise the torque/angle of rotation characteristic of the actuator (1) in favourable manufacturing conditions. The actuator for adjusting the angle of rotation of a setting device is used, for example, to control the opening cross-section of a line conveying a medium in internal combustion engines for idling speed control.

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IPC 8 full level

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