

Title (en)
ELECTRO-MECHANICAL ACTUATOR WITH A 180 DEGREES ELECTRIC-MOTOR DRIVE

Publication
EP 0198509 B1 19900110 (DE)

Application
EP 86105417 A 19860418

Priority
FR 8505866 A 19850418

Abstract (en)
[origin: EP0198509A1] 1. An electro-mechanical actuator with a 180 degrees electric motor drive of the kind which comprises an electric motor to drive a toothed gear wheel (R) which, on each half-rotation, drives a control shaft (T) forwards or backwards, characterized in that the said toothed gear wheel (R) is fastened with a limited angular play to a drive wheel (E) of the said control shaft (T) and this drive wheel (E) comprises a torsional spring (Rc) which tends to return the toothed gear wheel (R) and the drive wheel (E) into a predetermined angular position, and in that, moreover, the drive wheel (E) comprises a retractable stop (RI) at a predetermined angular position at the end of the angular play, and the tensioning of the torsional spring (Rc) produced by the said stop (RI) causes the retraction of the said stop (RI) and also the holding of the wheels in a second predetermined angular position by the said retractable stop (RI).

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E05B 47/00

IPC 8 full level
E05B 65/12 (2006.01)

CPC (source: EP)
E05B 81/25 (2013.01)

Cited by
FR2637937A1; FR2651073A1; EP0684356A4; FR2620782A1; EP0909862A1; FR2769660A1; US5673578A; DE102021106210A1; WO2022194327A1

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