

MOTOR-OPERATED DEVICE FOR RADIALY OPENING AND CLOSING SWINGING GATES AND DOORS

ABSTRACT

- 5 The present invention relates to a device that enables swinging gates and doors to be automatically opened by means of a gear motor reducer that performs the task radially, causing the end of the leaf that is attached to the post to rotate about its axis. This system can be operated by any remote system, such as remote control, mobile phones or in a similar manner by a pushbutton or switch with a numerical key.
- 10 Specifically, the device consists of a special toothed bushing that is dragged by a pinion mounted on the shaft of the gear motor reducer. This gear motor reducer is attached to the same post on which tensioner bushings and a lower bushing are mounted, where they rotate about their axis, enabling the leaf of the gate or door to open or close in a range of up to 180°.

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Fig. 1