

Title (en)  
A DEVICE FOR ROTATIVELY DRIVING AN AWNING CONTROL ROD

Publication  
**EP 0101009 A3 19841114 (EN)**

Application  
**EP 83107643 A 19830803**

Priority  
IT 4898382 A 19820812

Abstract (en)  
[origin: EP0101009A2] The invention relates to the technical field of the sunshade awning control, and in particular to a device for rotatively driving an awning control rod. The technical problem on which the present invention is based is to provide such a device with fully automatic operation features in order to avoid the need for any manual effort, as well as with a simple low cost construction, so that additionally to being convenient to use it can find wide spread application potentials. The problem is solved by the provision of a device comprising a substantially closed body (7,7a) rotatably engageable with one end of an awning (1) control rod (2) and at least one handgrip (8,23a) enabling an operator to handle a said body (7,7a), as well as an internally mounted electric motor (16,16a), a reduction gear (14,14a) connecting said electric motor (16,16a) to said rod (2) and including a number of gear pairs defining a high step-down ratio, members (17,17a) for supplying an electric current to said electric motor, and control elements (19,19a) for said electric motor (16,16a) enabling an operator to selectively control the motor direction of rotation.

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Citation (search report)  
• [A] DE 7217041 U  
• [A] DE 2741023 A1 19790322 - MACK GMBH & CO REINHOLD  
• [A] US 4081704 A 19780328 - VASSOS LOUIS J, et al  
• [A] DE 2934557 A1 19800911 - ADE WERK GMBH

Cited by  
DE202009013891U1; EP0570811A1; US10323456B2; DE202007010757U1; FR2635205A1; FR2605675A1; FR2960019A1; EP1500777A1; FR2568932A1; FR2826517A1; CN100452540C; CH717126A1; EP4187055A1; FR3129683A1; WO0233211A1; WO03001630A1; WO8803219A1; EP2314823A2; JP2014018947A

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