

Title (en)  
INSTALLATION DEVICE WITH AN ARRANGEMENT FOR DRIVING A BI-STABLE RELAY

Title (de)  
INSTALLATIONSGERÄT MIT EINER ANORDNUNG ZUR ANSTEUERUNG EINES BISTABILEN RELAIS

Title (fr)  
DISPOSITIF D'INSTALLATION D'UN SYSTÈME DE COMMANDE D'UN RELAIS BISTABLE

Publication  
**EP 3185272 A1 20170628 (EN)**

Application  
**EP 16204048 A 20161214**

Priority  
EP 15003647 A 20151222

Abstract (en)  
The invention is about an installation device (1) with one bi-stable relay (2) and an arrangement for driving the bi-stable relay (2), the relay (2) being provided with one actuating coil (3) and electrical connections to an auxiliary circuit, the arrangement including - one or more current transformers (4) - a rectifier circuit (5), connected to the current transformers (4), - a voltage regulator circuit (6), said voltage regulator circuit (6) being fed with rectified current from the rectifier circuit (5), and said voltage regulator circuit (6) further including two or more outputs, - a control circuit (7), - an energy supply circuit (8) for supplying the control circuit (7), said energy supply circuit (8) being fed through the voltage regulation circuit (6), - a driver circuit (11) for driving the relay (2), said driver circuit (11) being coupled energy-wise to the voltage regulator circuit (6) and the energy supply circuit (8), wherein said energy supply circuit (8) comprising a first blocking diode (9) and a first buffer capacitor (10) for buffering the supply to the control circuit (7), and where said driver circuit (11) being coupled signal-wise to the control circuit (7) to receive a driving signal, and where the driver circuit (11) includes a H-bridge driver circuit, and where the energy supply circuit (8) includes a second buffer capacitor (12) connected to the signal supplying one half or both halves of the H-bridge driver circuit.

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Citation (applicant)  
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• [Y] DE 102012208122 A1 20131121 - SIEMENS AG [DE]  
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