

Title (en)  
Driving circuit for a magnetic valve

Title (de)  
Treiberschaltung für ein Magnetventil

Title (fr)  
Circuit de commande pour vanne magnétique

Publication  
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Application  
**EP 12464009 A 20120511**

Priority  
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Abstract (en)  
The invention relates to a driving circuit for a magnetic valve comprising a comparator with variable hysteresis (30). The comparator with variable hysteresis (30) additional to a measuring input terminal (CMP\_IN(+)) and a control input terminal (CMP\_IN(-)) has an output terminal (CMP\_OUT) and comprises: an operational amplifier (31) having a non-inverting input terminal (+), an inverting input terminal (-) and an output terminal (CMP\_OUT), a serial connection comprising a third resistor (34), a second resistor (33), a first resistor (32) and a control voltage source delivering a variable threshold value (V<sub>ctrl</sub>), the serial connection being connected in parallel to a supply voltage (V<sub>5V</sub>) whereby a partial serial connection comprising the second resistor (33), the first resistor (32) and the control voltage source being connected in parallel to a further switching element (35) and the point of connection between the second (33) and first (32) resistor being a voltage tap (V<sub>in</sub>), whereby the inverting input terminal (-) of the operational amplifier (31) being connected with the voltage tap (V<sub>in</sub>) and the output terminal (CMP\_OUT) of the operational amplifier (31) being connected with the control input terminal of the further switching element (35).

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Citation (applicant)  
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