

Title (en)  
Relay switching-on circuit

Title (de)  
Relais-Einschaltkreis

Title (fr)  
Circuit de mise en marche de relais

Publication  
**EP 1956621 B1 20100811 (EN)**

Application  
**EP 07290182 A 20070212**

Priority  
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Abstract (en)  
[origin: EP1956621A1] Disclosed is a relay switching-on circuit, comprising: a relay (K1) having a first terminal (K11) and a second terminal (K12); a first switching element (T1) connected between the first terminal and a first operating voltage (+VCC); a second switching element (T2) connected between the second terminal and a second operating voltage (-VCC), wherein said first and second switching elements are operatively connected with a respective control channel (CH1, CH2) for controlling a respective switching action of said switching elements. The proposed circuit further comprises: a first resistor (R1) connected between said first operating voltage and one of said first and second terminals; a second resistor (R2) connected between said second operating voltage and the other one of said first and second terminals; and a comparator unit (CU) connected with said first and second terminals for comparing a potential at said first and second terminals with a respective reference potential (UREF1, UREF2) in a switched-off state of the relay, wherein said comparator unit is configured to issue at least one fault disclosure signal (FDS1, FDS2) in response to a relation between the potential at said first and/or second terminal and the corresponding reference potential.

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