

Title (en)  
CONTROL CIRCUIT FOR A RELAY

Title (de)  
ANSTEUERUNGSSCHALTUNG FÜR EIN RELAIS

Title (fr)  
CIRCUIT D'AMORÇAGE POUR RELAIS

Publication  
**EP 1925010 B1 20101117 (DE)**

Application  
**EP 06764171 A 20060714**

Priority  
• EP 2006064252 W 20060714  
• DE 102005043884 A 20050914

Abstract (en)  
[origin: WO2007031356A1] The invention relates to relates to a control circuit for a relay. A coil (1) of the relay and a switch element (2) connected in series thereto are supplied by a first voltage source configured by a capacitor (4). Said capacitor (4) is connected to an AC voltage source via a charging connection configured from a first diode (5). The inventive control circuit also comprises an additional DC voltage source (U) which is connected in parallel to the first voltage source via a second diode (8). The current for maintaining the relay in the picked-up state is partially taken from the additional DC voltage source (U), thereby reducing the power taken from the first voltage source.

IPC 8 full level  
**H01H 47/04** (2006.01)

CPC (source: EP)  
**H01H 47/043** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007031356 A1 20070322**; AT E488854 T1 20101215; DE 102005043884 A1 20070322; DE 102005043884 B4 20090507;  
DE 502006008351 D1 20101230; EP 1925010 A1 20080528; EP 1925010 B1 20101117

DOCDB simple family (application)  
**EP 2006064252 W 20060714**; AT 06764171 T 20060714; DE 102005043884 A 20050914; DE 502006008351 T 20060714;  
EP 06764171 A 20060714