

Title (en)  
SWITCHING DEVICE

Title (de)  
SCHALTVORRICHTUNG

Title (fr)  
DISPOSITIF DE COMMUTATION

Publication  
**EP 1735803 B1 20101006 (DE)**

Application  
**EP 05733573 A 20050405**

Priority  
• EP 2005051520 W 20050405  
• DE 102004018275 A 20040415

Abstract (en)  
[origin: WO2005101435A1] The aim of the invention is to create a switching device (3) that ensures a time-delayed separation of the switching point (4) using simple means. To this end, the mobile contact carrier (14) is associated, in the closed position, with a current conductor (12) that is electroconductively connected to the fixed contact carrier (10) and has a current direction the same as the mobile contact carrier (14). In this way, the force effect of the actuating force (F3) of the energy accumulator, acting on the mobile contact carrier (14), is reduced by the force effect of the current-related electromagnetic retaining force (F4), and a time-delayed exchange is thus carried out in the open position.

IPC 8 full level  
**H01H 1/54** (2006.01); **H01H 71/00** (2006.01); **H01H 71/08** (2006.01)

CPC (source: EP)  
**H01H 1/54** (2013.01); **H01H 71/002** (2013.01); **H01H 71/08** (2013.01)

Designated contracting state (EPC)  
DE ES FR GB IT TR

DOCDB simple family (publication)  
**WO 2005101435 A1 20051027**; BR PI0509880 A 20071218; CN 100541689 C 20090916; CN 1942988 A 20070404;  
DE 102004018275 A1 20051103; DE 102004018275 B4 20071018; DE 502005010339 D1 20101118; EP 1735803 A1 20061227;  
EP 1735803 B1 20101006; ES 2353525 T3 20110302; RU 2006140239 A 20080520; RU 2363066 C2 20090727

DOCDB simple family (application)  
**EP 2005051520 W 20050405**; BR PI0509880 A 20050405; CN 200580011215 A 20050405; DE 102004018275 A 20040415;  
DE 502005010339 T 20050405; EP 05733573 A 20050405; ES 05733573 T 20050405; RU 2006140239 A 20050405