

Title (en)
Electronic function relay

Title (de)
Elektronisches Funktionsrelais

Title (fr)
Relais de fonction électronique

Publication
EP 1737007 A1 20061227 (DE)

Application
EP 05013266 A 20050620

Priority
EP 05013266 A 20050620

Abstract (en)
The relay has an actuating unit guided at a support frame of a resetting mechanism (3) such that a drive is mechanically decoupled from a shift lever in a resting position and an actuating position of the unit. The mechanism and printed circuit board relay components are designed as a separate part. The mechanism is arranged on the outer side of the housing of the board relay components and is coupled with the board components. The mechanism is snap open on relay components. The printed circuit board relay components is utilized as a part of overloading for the electrical motor.

IPC 8 full level
H01H 1/58 (2006.01)

CPC (source: EP US)
H01H 1/5805 (2013.01 - EP US); **H01H 71/04** (2013.01 - EP US); **H01H 73/44** (2013.01 - EP US); **H01H 83/22** (2013.01 - EP US)

Citation (search report)
• [X] DE 102004045205 A1 20050428 - ROCKWELL AUTOMATION TECH INC [US]
• [A] EP 0940831 A2 19990908 - ABB PATENT GMBH [DE]

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1737007 A1 20061227; EP 1737007 B1 20071031; AT E377252 T1 20071115; CN 100508098 C 20090701; CN 1885470 A 20061227; DE 502005001834 D1 20071213; DK 1737007 T3 20080211; ES 2293426 T3 20080316; HK 1096767 A1 20070608; PL 1737007 T3 20080331; US 2007001799 A1 20070104; US 7317170 B2 20080108

DOCDB simple family (application)
EP 05013266 A 20050620; AT 05013266 T 20050620; CN 200610092598 A 20060616; DE 502005001834 T 20050620; DK 05013266 T 20050620; ES 05013266 T 20050620; HK 07102600 A 20070309; PL 05013266 T 20050620; US 45403906 A 20060616