

Title (en)
Switching module

Title (de)
Schaltermodul

Title (fr)
Module de commutateur

Publication
EP 1837888 A3 20090325 (DE)

Application
EP 07005363 A 20070315

Priority
DE 202006004575 U 20060322

Abstract (en)
[origin: EP1837888A2] The switch mat (14) surrounds and interlocks with the outer edge of the circuit board (12). The mat and circuit board are clamped-in between a layer on the plastic switch casing (10) and a holding frame (18) connected to the casing or base section. The layer on the switch casing is formed by molded contact ridges; thickness of the mat between these and the circuit board is reduced. The holding frame or base section is fastened by a clip connection to the switch casing.

IPC 8 full level
H01H 13/702 (2006.01); **H01H 13/04** (2006.01)

CPC (source: EP KR US)
H01H 13/04 (2013.01 - EP KR US); **H01H 13/702** (2013.01 - EP KR US); **H01H 23/04** (2013.01 - KR); **H01H 23/16** (2013.01 - KR); **H01H 2223/012** (2013.01 - EP KR US); **H01H 2229/064** (2013.01 - EP KR US)

Citation (search report)

- [X] DE 10248830 C1 20031009 - KOSTAL LEOPOLD GMBH & CO KG [DE]
- [A] EP 1091374 A1 20010411 - OMRON TATEISI ELECTRONICS CO [JP]
- [A] EP 0110094 A1 19840613 - RUF KG WILHELM [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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
DE 202006004575 U1 20060518; CN 101071694 A 20071114; EP 1837888 A2 20070926; EP 1837888 A3 20090325; JP 2007258173 A 20071004; KR 20070095809 A 20071001; US 2007221487 A1 20070927; US 7638724 B2 20091229

DOCDB simple family (application)
DE 202006004575 U 20060322; CN 200710092353 A 20070322; EP 07005363 A 20070315; JP 2007070044 A 20070319; KR 20070027614 A 20070321; US 72500007 A 20070316