

Title (en)
AUXILIARY CONTACT BLOCK FOR EXPANDING A SWITCHING DEVICE

Title (de)
HILFSKONTAKTBLOCK ZUR ERWEITERUNG EINES SCHALTGERÄTES

Title (fr)
BLOC DE CONTACTS AUXILIAIRES POUR L'EXTENSION D'UN CONTACTEUR

Publication
EP 2059941 A1 20090520 (DE)

Application
EP 07802663 A 20070816

Priority
• EP 2007058532 W 20070816
• DE 102006041451 A 20060904

Abstract (en)
[origin: WO2008028785A1] The invention relates to an auxiliary contact block for expanding a switching device and to a switching device having at least one auxiliary contact block according to the invention. The aim of the invention is to provide a compact auxiliary contact block, i.e. a block requiring little wiring and space, for a switching device, and a switching device having at least one auxiliary contact block according to the invention. The aim is achieved by an auxiliary contact block, wherein the auxiliary contact block comprises auxiliary contacts disposed in a plane, the contacts having contact bridges and associated fixed contact pieces, and at least one contact slider, which can be equipped with at least one auxiliary contact pair. The configuration of the auxiliary contacts in a plane as described herein allows a very small installation size and very little wiring complexity of the auxiliary contacts in a simple manner. The actuating unit can, for example, be configured as a slider that couples the contact slider and the switching device with each other.

IPC 8 full level
H01H 71/46 (2006.01); **H01H 15/10** (2006.01); **H01H 73/04** (2006.01)

CPC (source: EP KR US)
H01H 71/46 (2013.01 - EP KR US); **H01H 15/10** (2013.01 - EP US); **H01H 73/045** (2013.01 - EP US)

Citation (search report)
See references of WO 2008028785A1

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)
WO 2008028785 A1 20080313; CN 101506926 A 20090812; CN 101506926 B 20120530; DE 102006041451 A1 20080320; DE 102006041451 B4 20090108; EP 2059941 A1 20090520; EP 2059941 B1 20140101; ES 2441998 T3 20140207; KR 101379826 B1 20140401; KR 20090064427 A 20090618; US 2010140067 A1 20100610; US 8058574 B2 20111115

DOCDB simple family (application)
EP 2007058532 W 20070816; CN 200780031198 A 20070816; DE 102006041451 A 20060904; EP 07802663 A 20070816; ES 07802663 T 20070816; KR 20097006928 A 20070816; US 31062807 A 20070816