

Title (en)

Air guiding device for cooling a component of a switch

Title (de)

Luftleiteinrichtung zum Kühlen eines Schalterteiles eines elektrischen Schalters

Title (fr)

Dispositif de guidage d'air pour refroidir un composant d'un interrupteur

Publication

EP 1484776 A3 20070221 (DE)

Application

EP 04090171 A 20040503

Priority

DE 10326355 A 20030604

Abstract (en)

[origin: EP1484776A2] An electric switch (1) has an air-conducting element (13) fitted with a gap away from a switching part needing to be cooled so as to form an air channel (AC) running vertically with the switch fitted flush. The AC has an inflow area pointing downwards to let cooling air flow in and an outflow area pointing upwards to let cooling air flow out. An independent claim is also included for an electric switch with disconnecting contact systems.

IPC 8 full level

H01H 9/52 (2006.01); **H02B 1/56** (2006.01); **H01H 1/62** (2006.01); **H01H 71/08** (2006.01)

CPC (source: EP US)

H01H 9/52 (2013.01 - EP US); **H01H 1/62** (2013.01 - EP US); **H01H 71/08** (2013.01 - EP US)

Citation (search report)

- [DA] DE 3839269 A1 19900523 - LICENTIA GMBH [DE]
- [A] DE 29601769 U1 19970612 - SACHSENWERK AG [DE]

Cited by

EP2413338A1; EP2983258A1; CN105392325A; US9799462B2; WO2012013440A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1484776 A2 20041208; **EP 1484776 A3 20070221**; DE 10326355 B3 20050203; US 2005006350 A1 20050113; US 7199318 B2 20070403

DOCDB simple family (application)

EP 04090171 A 20040503; DE 10326355 A 20030604; US 86027104 A 20040604