

Title (en)
Electric switch

Title (de)
Elektrisches Schaltgerät

Title (fr)
Commutateur électrique

Publication
EP 1923897 A3 20090107 (DE)

Application
EP 07020783 A 20071024

Priority
DE 102006054030 A 20061116

Abstract (en)
[origin: EP1923897A2] The switch has a contact point at which an electric arc develops during switching operation. An electric arc arcing plates package (10) is formed of several arcing plates (11), where the arcing plates are held together at a distance using retaining elements. The retaining elements are produced from thermoplastic resin, whose after assembly is cross linked by irradiation. A covering is provided with slots at a rear side of the package, where the covering is produced from the thermoplastic resin.

IPC 8 full level
H01H 9/36 (2006.01)

CPC (source: EP US)
H01H 9/362 (2013.01 - EP US); **H01H 9/345** (2013.01 - EP US)

Citation (search report)

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- [EA] DE 102007055667 A1 20080529 - FUJI ELECTRIC HOLDINGS [JP]
- [PA] WO 2007031174 A1 20070322 - ABB PATENT GMBH [DE], et al
- [A] GB 1498826 A 19780125 - BBC BROWN BOVERI & CIE
- [A] EP 0663679 A2 19950719 - SCHURTER AG [CH]

Cited by
EP2214189A1; EP2405453A1; US9121585B2; US8809720B2; WO2011113721A3; WO2016078875A1

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)
EP 1923897 A2 20080521; EP 1923897 A3 20090107; CA 2610679 A1 20080516; CN 101183617 A 20080521; DE 102006054030 A1 20080529; DE 102006054030 B4 20100617; US 2008135525 A1 20080612

DOCDB simple family (application)
EP 07020783 A 20071024; CA 2610679 A 20071115; CN 200710187263 A 20071115; DE 102006054030 A 20061116; US 98430007 A 20071115