

Title (en)

Electrical switchgear with recycling of cut-off gases

Title (de)

Elektrische Schaltvorrichtung mit wiederverwendung von Schaltgasen

Title (fr)

Dispositif électrique de coupure avec recyclage des gaz de coupure

Publication

EP 1667179 A3 20070808 (FR)

Application

EP 05354037 A 20051020

Priority

FR 0412974 A 20041206

Abstract (en)

[origin: EP1667179A2] The switchgear has a flow pipe with an exhaust duct (3) extending from a sink hole (4) towards an opening (18), along a lateral wall (11), where the duct has a constant or crescent section. The opening is equal to the section of the duct and is placed opposite to electrical contacts of an opening volume (35). Gas present in an exchange space is injected into the volume via the duct, where the gas is cooled while circulating in the duct.

IPC 8 full level

H01H 9/34 (2006.01)

CPC (source: EP)

H01H 9/342 (2013.01); **H01H 9/346** (2013.01); **H01H 71/0235** (2013.01); **H01H 73/045** (2013.01); **H01H 2009/348** (2013.01)

Citation (search report)

- [Y] WO 9508832 A1 19950330 - SIEMENS AG [DE], et al
- [Y] FR 1147076 A 19571119
- [A] EP 0231733 A2 19870812 - FELTEN & GUILLEAUME AG OESTER [AT] & US 5731561 A 19980324 - MANTHE KARL-HEINZ [DE], et al

Cited by

CN113192778A; EP2650893A1; CN104221112A; EP2650894A1; CN112151316A; US9622374B2; US9437376B2; WO2011033182A2; US9159508B2

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1667179 A2 20060607; **EP 1667179 A3 20070808**; **EP 1667179 B1 20081126**; AT E415691 T1 20081215; CN 100573775 C 20091223; CN 1801423 A 20060712; DE 602005011234 D1 20090108; ES 2315824 T3 20090401; FR 2879016 A1 20060609; FR 2879016 B1 20070209

DOCDB simple family (application)

EP 05354037 A 20051020; AT 05354037 T 20051020; CN 200510129752 A 20051206; DE 602005011234 T 20051020; ES 05354037 T 20051020; FR 0412974 A 20041206