

Title (en)
SWITCH.

Title (de)
SCHALTER.

Title (fr)
COMMUTATEUR.

Publication
EP 0098308 A4 19861002 (EN)

Application
EP 83900281 A 19830111

Priority
• JP 562682 A 19820114
• JP 6441882 A 19820415

Abstract (en)
[origin: EP0098308A1] When the contactor of a switch is opened an arc is produced. It has been determined that when a large quantity of energy is injected into the arc, a high proportion of the radiated energy is optical energy. In experiments, it was as high as approx. 70%. In this switch, a light absorber formed of a highly porous inorganic material with an apparent porosity of inorganic fibrous material or porous material of at least 35% is disposed at a position at which it receives the optical energy of the arc, thereby effectively absorbing the light emitted by the arc to reduce the temperature in the gas space and lowering the pressure in the switch.

IPC 1-7
H01H 73/18; **H01H 9/30**

IPC 8 full level
H01H 73/18 (2006.01); **H01H 9/30** (2006.01)

CPC (source: EP KR)
H01H 9/30 (2013.01 - EP); **H01H 73/18** (2013.01 - KR)

Citation (search report)
[A] DE 1933529 A1 19710121 - BBC BROWN BOVERI & CIE

Cited by
CN103975404A; US6240728B1; EP0096889A3; EP0092184A3; FR2576721A1; EP0092189A3; US9412543B2; WO2013079464A1; WO9832141A1

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0098308 A1 19840118; **EP 0098308 A4 19861002**; **EP 0098308 B1 19880803**; DE 3377601 D1 19880908; KR 840003529 A 19840908; KR 870000097 B1 19870210; WO 8302525 A1 19830721

DOCDB simple family (application)
EP 83900281 A 19830111; DE 3377601 T 19830111; JP 8300009 W 19830111; KR 830000106 A 19830114