

Title (en)

Switching device with a thermal and a magnetic trip device.

Title (de)

Schaltgerät mit einem thermischen und einem magnetischen Auslöser.

Title (fr)

Appareil de commutation avec un déclencheur thermique et magnétique.

Publication

**EP 0614207 A3 19950726 (DE)**

Application

**EP 94102533 A 19940219**

Priority

DE 4306229 A 19930227

Abstract (en)

[origin: EP0614207A2] A switching device (10) has a thermal (39) and an electromagnetic (34) trip device, a latch (37) and one fixed and one moving contact piece (30, 31). When the switch is switched off, an electric arc is induced between the two contact pieces (30, 31) which is driven into an electric-arc quenching lamination stack (24) and is quenched therein. The switching device (10) has a blowout loop (45) which is electrically connected in parallel to the thermal and the electromagnetic tripping devices (39, 34) and is formed by resistor wire; the blowout loop is laterally next to the quenching chamber, and thus next to the prechamber (41) and a part of the electric-arc quenching lamination stack (24). <IMAGE>

IPC 1-7

**H01H 73/18**

IPC 8 full level

**H01H 71/12** (2006.01); **H01H 73/18** (2006.01)

CPC (source: EP)

**H01H 71/121** (2013.01); **H01H 73/18** (2013.01)

Citation (search report)

- [A] GB 2055264 A 19810225 - BBC BROWN BOVERI & CIE & DE 2928786 A1 19810205 - BBC BROWN BOVERI & CIE
- [A] DE 2610951 B2 19800124
- [DA] DE 3607052 A1 19860904 - WESTINGHOUSE ELECTRIC CORP [US]
- [A] DE 2609708 B1 19770714 - SIEMENS AG
- [A] US 3313898 A 19670411 - OWEN HENRY E S
- [DA] DE 2841004 B1 19800214 - LICENTIA GMBH [DE]

Cited by

FR2736462A1

Designated contracting state (EPC)

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