

Title (en)  
High-voltage circuit breaker

Title (de)  
Hochspannungsschalter

Title (fr)  
Interrupteur pour haute tension

Publication  
**EP 0700062 A1 19960306 (EN)**

Application  
**EP 95113815 A 19950902**

Priority  
SE 9402970 A 19940905

Abstract (en)  
High-voltage circuit breaker comprising an elongated casing filled with a gaseous arc-extinguishing medium, said casing comprising two cooperating arcing contacts and two cooperating main contacts (10), which during an opening operation separate earlier than the arcing contacts. According to the invention one of the main contacts (10) consists of one end portion of a metal tube (12) which is secured to the casing. This end portion is formed by pressing (bulging) and slotted in such a way as to form a plurality of contact fingers (14) integral with the tube. The contact fingers may be surrounded by a tubular metal sleeve (15) serving as a field-equalizing shield. This sleeve may also serve as a holder and counter-support for one or more auxiliary springs (17) arranged between the sleeve and the contact fingers. By allowing the free end portion of the sleeve (15) to surround the end portions of the contact fingers, the contact fingers are furthermore prevented from being bent too far inwards. <MATH>

IPC 1-7  
**H01H 33/70**; **H01H 1/38**

IPC 8 full level  
**H01H 1/38** (2006.01); **H01H 33/24** (2006.01)

CPC (source: EP)  
**H01H 1/385** (2013.01); **H01H 33/24** (2013.01)

Citation (search report)

- [X] DE 1913969 B2 19760129
- [A] US 3839613 A 19741001 - TSUBAKI T, et al
- [A] US 4371765 A 19830201 - RAGALLER KLAUS [CH]
- [A] DE 4227007 A1 19940217 - DUNKEL OTTO GMBH [DE]
- [A] DE 1790063 A1 19711202 - CALOR EMAG ELEKTROZITAETS AG

Cited by  
EP2797095A1; CN104319157A; FR2772976A1; CN106024436A; EP0856862A1; FR2758916A1; DE19757403A1; NO339874B1; US8232496B2; WO2006114214A1

Designated contracting state (EPC)  
CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0700062 A1 19960306**; **EP 0700062 B1 19990331**; DE 69508680 D1 19990506; DE 69508680 T2 19991111; SE 9402970 D0 19940905; SE 9402970 L 19960306

DOCDB simple family (application)  
**EP 95113815 A 19950902**; DE 69508680 T 19950902; SE 9402970 A 19940905