

Title (en)

Arc chamber for a medium- or high-voltage circuit breaker with reduced operating energy and dimensions

Title (de)

Unterbrechungskammer eines Schutzschalters für Hoch- und Mittelspannung mit reduzierter Bedienungsenergie und kleineren Abmessungen

Title (fr)

Chambre de coupure pour disjoncteur a moyenne ou haute tension a energie de manoeuvre et dimensions reduites

Publication

**EP 2402970 A1 20120104 (FR)**

Application

**EP 11172008 A 20110629**

Priority

FR 1055322 A 20100701

Abstract (en)

The chamber (1) has a fixed permanent contact (2) coaxially arranged for peripheral supporting with a movable arc contact (5) connected to an operating rod in a closed position to an intermediate opening position. A mechanical stop locks the movable arc contact integrated to a blowing piston (60) in a locking position corresponding or close to the intermediate opening position for peripheral supporting with the permanent contact. The locking position is constituted of a separation position of the arc contact next to a blowing channel (700).

Abstract (fr)

L'invention concerne une nouvelle chambre de coupure (1) à énergie de manoeuvre et aux dimensions transversales réduites.

IPC 8 full level

**H01H 33/90** (2006.01)

CPC (source: EP)

**H01H 33/90** (2013.01); **H01H 2033/028** (2013.01); **H01H 2033/907** (2013.01); **H01H 2033/908** (2013.01)

Citation (applicant)

- FR 2435118 A1 19800328 - MITSUBISHI ELECTRIC CORP [JP]
- EP 0441292 A1 19910814 - ALSTHOM GEC [FR]
- EP 0411292 A2 19910206 - PRUFREX ELEKTRO APP [DE]
- FR 2683382 A1 19930507 - ALSTHOM GEC [FR]
- WO 2006066420 A1 20060629 - ABB TECHNOLOGY AG [CH], et al
- FR 955677 A 19500118
- US 5258590 A 19931102 - DUFOURNET DENIS [FR], et al
- US 4511776 A 19850416 - ROMIER ROGER [FR], et al
- FR 1055323 A 19540217 - RCA CORP

Citation (search report)

- [X] FR 2683382 A1 19930507 - ALSTHOM GEC [FR]
- [AD] EP 0441292 A1 19910814 - ALSTHOM GEC [FR]
- [A] EP 1548780 A1 20050629 - ABB TECHNOLOGY AG [CH]

Cited by

FR3003078A1; FR3017742A1; WO2015121439A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2402970 A1 20120104; EP 2402970 B1 20180321**; FR 2962253 A1 20120106; FR 2962253 B1 20120831

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**EP 11172008 A 20110629**; FR 1055322 A 20100701