

Title (en)

LOW-VOLTAGE CIRCUIT BREAKER WITH AN ELECTRIC ARC EXTINCTION SYSTEM

Title (de)

NIEDERSpannungs-LEISTUNGSSCHALTER MIT EINEM LICHTBOGEN-LÖSCHSYSTEM

Title (fr)

INTERRUPTEUR DE PUISSANCE A BASSE TENSION, A SYSTEME D'EXTINCTION D'ARC ELECTRIQUE

Publication

EP 1366501 A1 20031203 (DE)

Application

EP 02716615 A 20020220

Priority

- DE 0200654 W 20020220
- DE 20104325 U 20010306

Abstract (en)

[origin: WO02071428A1] The invention relates to an electric arc extinction chamber system, especially for low-voltage circuit breakers of very high nominal current intensities, wherein parallel electric arc extinction chamber inserts are provided in a housing extending over the entire width of a pole-face arc. The housing of the chamber is sub-divided by a partition wall or several partition walls (15,16,32) which are embodied as components of the housing. The compartments thus formed receive arc splitter cartridges (28,29,30,41,42).

IPC 1-7

H01H 9/34

IPC 8 full level

H01H 33/08 (2006.01); **H01H 9/34** (2006.01); **H01H 9/36** (2006.01)

CPC (source: EP US)

H01H 9/36 (2013.01 - EP US); **H01H 9/362** (2013.01 - EP US)

Citation (search report)

See references of WO 02071428A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 20104325 U1 20010607; CN 100350527 C 20071121; CN 1494725 A 20040505; DE 50202046 D1 20050224; EP 1366501 A1 20031203; EP 1366501 B1 20050119; HK 1061109 A1 20040903; JP 2004521458 A 20040715; JP 4153791 B2 20080924; US 2004188388 A1 20040930; US 6917269 B2 20050712; WO 02071428 A1 20020912

DOCDB simple family (application)

DE 20104325 U 20010306; CN 02805964 A 20020220; DE 0200654 W 20020220; DE 50202046 T 20020220; EP 02716615 A 20020220; HK 04104067 A 20040608; JP 2002570255 A 20020220; US 46987503 A 20030905