

Title (en)
CIRCUIT BREAKER

Title (de)
SCHUTZSCHALTER

Title (fr)
DISJONCTEUR

Publication
EP 4152358 A1 20230322 (EN)

Application
EP 22194309 A 20220907

Priority
IT 202100023873 A 20210916

Abstract (en)
A circuit breaker comprising a containment body containing an actuation mechanism operatively associated with electrical protection components; the actuation mechanism is a self-supporting mechanism comprising a thermal assembly having a movable contact, a plaited band, a bimetal, a terminal and a sliding electrode; the self-supporting mechanism further comprises a kinematic assembly with which the movable contact is associated; an actuation handle is connected to the kinematic assembly by means of a crossbar; two side walls provide the containment of all the components of the self-supporting mechanism.

IPC 8 full level
H01H 71/16 (2006.01); **H01H 69/01** (2006.01); **H01H 71/02** (2006.01); **H01H 9/02** (2006.01); **H01H 71/52** (2006.01)

CPC (source: EP)
H01H 69/01 (2013.01); **H01H 71/0207** (2013.01); **H01H 71/16** (2013.01); **H01H 71/522** (2013.01); **H01H 71/7436** (2013.01);
H01H 2009/0292 (2013.01)

Citation (applicant)
• US 6750743 B1 20040615 - SUBRAMANIAN ANANTHARAM [IN], et al
• GB 2286486 A 19950816 - MATSUSHITA ELECTRIC WORKS LTD [JP]

Citation (search report)
• [XY] US 6750743 B1 20040615 - SUBRAMANIAN ANANTHARAM [IN], et al
• [Y] GB 2286486 A 19950816 - MATSUSHITA ELECTRIC WORKS LTD [JP]
• [A] US 2004036562 A1 20040226 - SIEBELS RANDALL L [US], et al
• [A] US 2014312996 A1 20141023 - MALONEY JAMES GERARD [US], et al

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4152358 A1 20230322; IT 202100023873 A1 20230316

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