

Title (en)

Switching chamber isolation assembly for a circuit breaker

Title (de)

Schaltkammerisoliationsanordnung für einen Leistungsschalter

Title (fr)

Agencement d'isolation de chambre de commutation pour un commutateur de puissance

Publication

EP 2390890 A1 20111130 (DE)

Application

EP 10164240 A 20100528

Priority

EP 10164240 A 20100528

Abstract (en)

The arrangement has a bar assembly (100) provided with a set of bars (10-40), where each bar includes base areas (11, 13, 21, 23) and central areas (12, 22) lying between the base areas. The bars are arranged around a longitudinal extending axis (L) of the bar assembly along a periphery (U). The bar assembly includes two mechanical coupling regions (101, 103) present on a side of the respective base areas for coupling to respective switch contact poles of a circuit-breaker. Each bar exhibits an elongated cross-section within the central areas. An independent claim is also included for a circuit-breaker comprising a field control cover connected with a switch contact pole.

Abstract (de)

Schaltkammerisoliationsanordnung beziehungsweise Leistungsschalter mit einer Schaltkammerisoliationsanordnung mit einer Strebenanordnung, um eine verbesserte Wärmeabfuhr im Bereich der Kontaktbereiche der Schalterkontaktpole zu ermöglichen.

IPC 8 full level

H01H 1/38 (2006.01); **H01H 1/62** (2006.01); **H01H 9/52** (2006.01); **H01H 33/02** (2006.01)

CPC (source: EP KR US)

H01H 1/385 (2013.01 - EP US); **H01H 1/62** (2013.01 - EP KR US); **H01H 9/52** (2013.01 - KR); **H01H 33/06** (2013.01 - KR); **H01H 33/02** (2013.01 - EP US); **H01H 2009/526** (2013.01 - EP US)

Citation (search report)

- [X] US 3641295 A 19720208 - FERTON JEAN-YVES, et al
- [X] US 3816682 A 19740611 - MACBETH J
- [A] DE 1293281 B 19690424 - COQ NV

Cited by

EP2617550A1; FR2986101A1; RU2620585C2; EP2771897B1; EP2771897B2

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2390890 A1 20111130; **EP 2390890 B1 20150325**; CN 102263384 A 20111130; CN 102263384 B 20150513; KR 101249323 B1 20130401; KR 20110131132 A 20111206; US 2011290624 A1 20111201; US 8420971 B2 20130416

DOCDB simple family (application)

EP 10164240 A 20100528; CN 201110158813 A 20110530; KR 20110050687 A 20110527; US 201113117556 A 20110527