

Title (en)

Magnet assembly for a low voltage circuit

Title (de)

Magnetanordnung für einen Niederspannungsschalter

Title (fr)

Agencement d'aimant pour un commutateur basse tension

Publication

**EP 2590193 B1 20140618 (DE)**

Application

**EP 11187846 A 20111104**

Priority

EP 11187846 A 20111104

Abstract (en)

[origin: EP2590193A1] The magnet arrangement has an open magnetic circuit which is provided with a magnetic material. A permanent magnet (80) is provided to deliver a magnetic flux to the magnetic circuit and to generate magnetic induction in vicinity of a pre-chamber (30) that acted upon switching arc. The magnetic material is configured as a U-section metal sheet that extends along the length of pre-chamber. The U-section metal is provided with a material recess (71) that extends through a pre-chamber metal sheet (70) and contains permanent magnet. An independent claim is included for a low-voltage circuit-breaker.

IPC 8 full level

**H01H 9/44** (2006.01)

CPC (source: EP US)

**H01H 9/443** (2013.01 - EP US)

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

DOCDB simple family (publication)

**EP 2590193 A1 20130508; EP 2590193 B1 20140618**; CN 103093987 A 20130508; CN 103093987 B 20160803; ES 2501666 T3 20141002; US 2013112656 A1 20130509; US 9076606 B2 20150707

DOCDB simple family (application)

**EP 11187846 A 20111104**; CN 201210435063 A 20121105; ES 11187846 T 20111104; US 201213669152 A 20121105