

Title (en)

Permanent magnetic arrangement for an electric arc driver and switching device

Title (de)

Permanentmagnetanordnung für eine Lichtbogentreiberanordnung und Schaltgerät

Title (fr)

Système d'aimant permanent pour un circuit d'attaque à arc lumineux et appareil de commutation

Publication

**EP 2631928 A1 20130828 (DE)**

Application

**EP 11191220 A 20111129**

Priority

EP 11191220 A 20111129

Abstract (en)

The magnet assembly comprises a permanent magnet (34) and a cover (35) made of electrically insulating material. The cover is connected directly to the permanent magnet. The cover is made of an electrically insulating and magnetically permeable material. The magnet arrangement has a coding projection (44) which is inserted into coding recess of receiving chamber. An independent claim is included for a switching device for direct current (DC) applications.

Abstract (de)

Permanentmagnetanordnung 25, 26 für eine Lichtbogentreiberanordnung 32, 33 eines elektrischen Schaltgeräts 1 mit einem Permanentmagneten 34 und einer Abdeckung 35 aus elektrisch isolierendem Material, wobei die Abdeckung 35 unmittelbar mit dem Permanentmagneten 34 verbunden ist.

IPC 8 full level

**H01H 9/44** (2006.01)

CPC (source: EP US)

**H01F 7/0205** (2013.01 - US); **H01H 1/64** (2013.01 - US); **H01H 9/32** (2013.01 - US); **H01H 9/443** (2013.01 - EP US)

Citation (applicant)

EP 2061053 A2 20090520 - MOELLER GMBH [DE]

Citation (search report)

- [XY] DE 10132858 A1 20020207 - FUJI ELECTRIC CO LTD [JP]
- [X] JP 2008226547 A 20080925 - DENSO CORP
- [Y] EP 0473014 A2 19920304 - EATON CORP [US]
- [Y] EP 2372735 A1 201111005 - ANDEN CO LTD [JP]

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)

**WO 2013079511 A1 20130606**; EP 2631928 A1 20130828; EP 2786389 A1 20141008; EP 2786389 B1 20170830; PL 2786389 T3 20180131; US 10290439 B2 20190514; US 2015048911 A1 20150219

DOCDB simple family (application)

**EP 2012073797 W 20121128**; EP 11191220 A 20111129; EP 12794315 A 20121128; PL 12794315 T 20121128; US 201214360945 A 20121128