

Title (en)

Double contacts control unit for electric plants and electric control device comprising the unit

Title (de)

Steuereinheit mit doppelten Kontakten für elektrische Anlagen und elektrische Steuervorrichtung mit der Einheit

Title (fr)

Unité de commande à contacts doubles pour centrales électriques et dispositif de commande électrique comprenant cette unité

Publication

**EP 2600368 A1 20130605 (EN)**

Application

**EP 12007819 A 20121120**

Priority

IT VI20110311 A 20111130

Abstract (en)

A double-contact control unit for electric plants, which is adapted to be anchored to a fixed or movable support element of an electric plant, comprises an insulating support (4) having a longitudinal axis (L) and a predetermined axial length (1), two pairs of fixed contacts (5, 5'; 6, 6') mounted to the support (4) in longitudinally offset positions and adapted to be connected to corresponding electric circuits associated with the plant to cooperate with respective pairs of movable contacts (13, 13'; 14, 14') for opening/closing the electric circuits, each of the fixed contacts (5, 5'; 6, 6') being associated with a respective electrical connection terminal (7, 7'; 8, 8'). The terminals (7, 7'; 8, 8') of each pair of fixed contacts (5, 5'; 6, 6') are located in symmetric positions with respect to the longitudinal axis (L), at distances and inclination angles ( $\pm$ ) differing from those of the terminals (7, 7'; 8, 8') of the other pair of fixed contacts (5, 5'; 6, 6') and at least partially transversely aligned therewith to reduce the longitudinal offset of the pairs of fixed contacts (5, 5'; 6, 6') and the axial length (1) of the support (4).

IPC 8 full level

**H01H 1/58** (2006.01); **H01H 13/50** (2006.01); **H02B 1/26** (2006.01); **H01H 1/20** (2006.01); **H01H 1/56** (2006.01); **H01H 13/04** (2006.01); **H01H 13/52** (2006.01)

CPC (source: EP)

**H01H 1/5855** (2013.01); **H01H 13/506** (2013.01); **H01H 1/2025** (2013.01); **H01H 1/56** (2013.01); **H01H 13/04** (2013.01); **H01H 13/52** (2013.01)

Citation (applicant)

- DE 102005033166 A1 20070125 - SCHLEGEL GEORG GMBH & CO [DE]
- WO 9001784 A1 19900222 - PITTMAY CORP [US]

Citation (search report)

- [Y] DE 102005033166 A1 20070125 - SCHLEGEL GEORG GMBH & CO [DE]
- [Y] WO 9001784 A1 19900222 - PITTMAY CORP [US]
- [Y] FR 2582360 A1 19861128 - BACO SA CONST ELECT ANC BAUMGA [FR]

Cited by

CN117542678A; CN106463919A; CN105340040A; CN104412349A; US9589741B2; US9576756B2; WO2014202654A1; WO2016001832A1; WO2015001382A1; US9613761B2

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

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DOCDB simple family (application)

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