

Title (en)

Three-phase switching device in metal casing with reduced dimensions and phase transmission forces

Title (de)

Schaltvorrichtung vom Dreiphasentyp unter Metallmantel zur Abgrenzung und mit reduzierten Übertragungskräften pro Phase

Title (fr)

Dispositif de commutation de type à trois phases sous enveloppe métallique à encombrement et forces de transmission par phase réduits

Publication

**EP 2023361 B1 20100630 (FR)**

Application

**EP 08161241 A 20080728**

Priority

FR 0756996 A 20070808

Abstract (en)

[origin: EP2023361A1] The device (1) has a sulfur hexafluoride gas filled metallic casing (2) accommodating three switches i.e. poles (R, S, T), and independent control apparatuses (3R, 3S, 3T) respectively activating movable contacts of the poles. Three mechanical transmission mechanisms (4R, 4S, 4T) are respectively connected to outlet shafts (30R, 30S, 30T) of the apparatuses and the movable contacts, where the apparatuses are placed at exterior and above of the casing. The mechanisms have different geometries and identical speed ratios irrespective of transmission instants during switching.

IPC 8 full level

**H01H 33/02** (2006.01); **H01H 33/42** (2006.01); **H02B 13/035** (2006.01)

CPC (source: EP KR)

**H01H 33/022** (2013.01 - EP KR); **H01H 33/42** (2013.01 - EP KR); **H01H 2033/024** (2013.01 - EP KR)

Cited by

EP3312864A1; US10650994B2; WO2018015104A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 2023361 A1 20090211**; **EP 2023361 B1 20100630**; AT E472816 T1 20100715; CN 101364715 A 20090211; CN 101364715 B 20120926; DE 602008001636 D1 20100812; FR 2919957 A1 20090213; FR 2919957 B1 20091030; KR 101496372 B1 20150226; KR 20090015818 A 20090212

DOCDB simple family (application)

**EP 08161241 A 20080728**; AT 08161241 T 20080728; CN 200810145622 A 20080807; DE 602008001636 T 20080728; FR 0756996 A 20070808; KR 20080075114 A 20080731