

Title (en)

Control device for the coordinated actuation of at least two switching devices, of which one is a vacuum switch

Title (de)

Steuervorrichtung für die koordinierte Betätigung mindestens zweier Schaltgeräte, wovon eines ein Vakuumschalter ist

Title (fr)

Dispositif de commande pour l'actionnement coordonné d'au moins deux appareils de commutation dont un est à coupure le vide

Publication

**EP 1580783 B1 20121003 (FR)**

Application

**EP 05102321 A 20050323**

Priority

FR 0450589 A 20040325

Abstract (en)

[origin: EP1580783A1] The device has an auxiliary shaft (4) for permitting handling of a movable contact (5) of a vacuum switch (1) during movement of a main shaft (2). The shaft (4) crosses a wall (7A), of a case (7), that separates volume of isolating gaseous fluid (G 2) from another volume of blanket gas (G 1) at lower pressure. Difference between pressures of the fluid and the gas causes differential pressure force that is applied on the shaft (4). The differential pressure force is provided for assuring contact pressure force to hold the contact (5) against another contact (6).

IPC 8 full level

**H01H 33/14** (2006.01); **H01H 33/66** (2006.01); **H01H 33/42** (2006.01); **H01H 33/666** (2006.01)

CPC (source: EP US)

**H01H 33/143** (2013.01 - EP US); **H01H 33/6661** (2013.01 - EP US)

Cited by

CN114093690A; EP1653491A3; EP2341517A1; EP2341516A1; US8785797B2; US8890011B2; US7426100B2; WO2017162404A1; EP3076420A1; EP4064309A1; FR3121267A1; US11948765B2; EP2061055A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1580783 A1 20050928**; **EP 1580783 B1 20121003**; CN 100383906 C 20080423; CN 1722332 A 20060118; FR 2868197 A1 20050930; FR 2868197 B1 20060519; JP 2005276839 A 20051006; JP 4754854 B2 20110824; US 2005247677 A1 20051110; US 7563161 B2 20090721

DOCDB simple family (application)

**EP 05102321 A 20050323**; CN 200510059508 A 20050325; FR 0450589 A 20040325; JP 2005084663 A 20050323; US 9066405 A 20050325