

Title (en)
LOAD STEPPING SWITCH

Title (de)
LASTSTUFENSCHALTER

Title (fr)
COMMUTATEUR DE RÉGLAGE EN CHARGE

Publication
EP 2686857 B1 20140903 (DE)

Application
EP 12705134 A 20120220

Priority
• DE 102011014325 A 20110318
• EP 2012052866 W 20120220

Abstract (en)
[origin: WO2012126685A1] The invention relates to a load stepping switch for switching over between taps of a control winding of a stepped transformer without interruption, wherein fixed step contacts are arranged in at least one horizontal plane in a wall of an insulating-material cylinder or on an insulating-material frame and are electrically connected to the taps, wherein a rotatable switching shaft is arranged in the center, said switching shaft having, for each horizontal plane of fixed step contacts on a contact support, mechanical contacts which can each be connected to the fixed step contacts, and wherein at least one contact on the contact support is electrically connected to the load discharge line by means of at least one interposed transition resistor (R_{Ü1}, R_{Ü2}). The transition resistor (R_{Ü1}, R_{Ü2}) comprises, in each case, a meandering wire helix (3) which is clamped and fixed by means of at least two resistor holders (6) which are composed of insulating material. The at least two resistor holders (6) of each transition resistor are attached to a shell-like resistor support (10) which is composed of insulating material and the resistor support (10), for its part, is attached to the switch pillar with which it shares a contour.

IPC 8 full level
H01H 9/00 (2006.01); **H01F 29/04** (2006.01)

CPC (source: EP)
H01H 9/0016 (2013.01); **H01H 9/0044** (2013.01); **H01F 29/04** (2013.01)

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)
DE 102011014325 A1 20120920; DE 102011014325 B4 20141127; BR 112013018969 A2 20161004; BR 112013018969 B1 20201013; CN 103415904 A 20131127; CN 103415904 B 20160907; EP 2686857 A1 20140122; EP 2686857 B1 20140903; ES 2525130 T3 20141217; HK 1189420 A1 20140606; UA 112177 C2 20160810; WO 2012126685 A1 20120927

DOCDB simple family (application)
DE 102011014325 A 20110318; BR 112013018969 A 20120220; CN 201280012203 A 20120220; EP 12705134 A 20120220; EP 2012052866 W 20120220; ES 12705134 T 20120220; HK 14102305 A 20140307; UA A201311093 A 20120220