

Title (en)
STEPPING SWITCH HAVING A FREEWHEEL ELEMENT

Title (de)
STUFENSCHALTER MIT FREILAUFELEMENT

Title (fr)
COMMUTATEUR À GRADINS COMPORTANT UN ÉLÉMENT À ROUE LIBRE

Publication
EP 2534663 A1 20121219 (DE)

Application
EP 10796278 A 20101211

Priority
• DE 102010007535 A 20100211
• EP 2010007563 W 20101211

Abstract (en)
[origin: WO2011098106A1] The invention relates to a stepping switch (10) for switching among at least two winding taps (12, 14) of a step transformer (16) without interruption, said step transformer having a rotatable switching shaft (22), with which actuating elements (24) for a plurality of actuating phases for mechanical switching elements (MTF, TTF) or vacuum switching tubes (MSV, TTV) are associated.

IPC 8 full level
H01H 9/00 (2006.01); **H01H 3/42** (2006.01)

CPC (source: EP KR US)
H01H 3/10 (2013.01 - KR); **H01H 3/32** (2013.01 - KR); **H01H 3/42** (2013.01 - KR); **H01H 9/00** (2013.01 - KR); **H01H 9/0027** (2013.01 - EP KR US); **H01H 9/0038** (2013.01 - EP KR US); **H01H 3/42** (2013.01 - EP US)

Citation (search report)
See references of WO 2011098106A1

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 102010007535 A1 20110811; **DE 102010007535 B4 20171221**; CN 102656652 A 20120905; CN 102656652 B 20150325; EP 2534663 A1 20121219; EP 2534663 B1 20131106; HK 1178681 A1 20130913; JP 2013519996 A 20130530; JP 5872487 B2 20160301; KR 101749197 B1 20170703; KR 20120117752 A 20121024; US 2013213776 A1 20130822; WO 2011098106 A1 20110818

DOCDB simple family (application)
DE 102010007535 A 20100211; CN 201080056456 A 20101211; EP 10796278 A 20101211; EP 2010007563 W 20101211; HK 13105421 A 20130506; JP 2012552260 A 20101211; KR 20127013307 A 20101211; US 201013504293 A 20101211