

Title (en)
Switching mechanism

Title (de)
Schaltrastwerk

Title (fr)
Mécanisme de commutation

Publication
EP 2099044 A3 20110112 (DE)

Application
EP 09450051 A 20090306

Priority
AT 3672008 A 20080306

Abstract (en)
[origin: EP2099044A2] The mechanism (1) has an auxiliary arresting mechanism (7) with a switching shaft unit (9) coupled with an actuating unit (8). The shaft unit is coupled with a drive shaft (3) of a main arresting mechanism (2) over a combiner unit (10). The unit (10) has a tow retainer (11) that cooperates with towing elements (12a, 12b) of the units (8, 9) to transfer a movement of the actuating unit. The unit (10) is pre-stressed against the movement using a spring element e.g. over-center spring, in order to press the unit (10) in initial or end position and to allow movement of the shaft unit.

IPC 8 full level
H01H 3/30 (2006.01); **H01H 3/00** (2006.01); **H01H 19/24** (2006.01)

CPC (source: EP)
H01H 3/001 (2013.01); **H01H 3/30** (2013.01); **H01H 19/24** (2013.01); **H01H 1/2041** (2013.01); **H01H 5/06** (2013.01); **H01H 19/26** (2013.01); **H01H 19/64** (2013.01)

Citation (search report)

- [A] WO 2005076302 A1 20050818 - ABB OY [FI], et al
- [A] FR 679818 A 19300417
- [A] GB 166518 A 19210915 - VICKERS ELECTRICAL CO LTD
- [A] WO 2005069333 A1 20050728 - ABB OY [FI], et al

Cited by
CN118173407A; EP3561839A1; DE102010022036B4; RU2663809C1; US9129768B2; US10950395B2; WO2011045428A1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2099044 A2 20090909; **EP 2099044 A3 20110112**; **EP 2099044 B1 20140917**; AT 11441 U1 20101015; CN 101556870 A 20091014; CN 101556870 B 20130821

DOCDB simple family (application)
EP 09450051 A 20090306; AT 80232009 U 20090403; CN 200910203976 A 20090306