Title (en)

Switching device for an on-load tap changer

Title (de)

Schaltvorrichtung für einen Abzapfwechsler

Title (fr)

Dispositif de commutation pour changeur de prise en charge

Publication

EP 2767996 A1 20140820 (EN)

Application

EP 13155347 A 20130215

Priority

EP 13155347 A 20130215

Abstract (en)

A switching device (115, 300) for an on-load tap changer (100) is disclosed. The switching device is designed for providing electrical connection between a fixed contact (135) and an external output (155) of the tap changer. The switching device provides: a main current path comprising a main switch (140) which is series-connected in the main current path; and a transition current path comprising a transition inductor (400) and a transition switch (145). The transition switch and the transition inductor are connected in series. The impedance of the transition current path is higher than the impedance of the main current path, the impedance of the transition current path being mainly inductive. The main switch and the transition inductor are connected in parallel, so that upon opening of the main switch, a load current flowing through the main current path will be commutated to the transition current path.

IPC 8 full level

H01H 9/00 (2006.01); **H01H 9/54** (2006.01)

CPC (source: EP)

H01H 9/0005 (2013.01); **H01H 9/0038** (2013.01); **H01H 9/54** (2013.01)

Citation (search report)

- [X] WO 2011033254 A2 20110324 - IMP INNOVATIONS LTD [GB], et al
- [X] FR 2529408 A1 19831230 - REINHAUSEN KG MASCHF [DE]
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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2767996 A1 20140820; **EP 2767996 B1 20170927**; CN 105308703 A 20160203; CN 105308703 B 20170912; WO 2014124771 A1 20140821

DOCDB simple family (application)

EP 13155347 A 20130215; CN 201480021344 A 20140114; EP 2014050605 W 20140114