

Title (en)

MULTI-PHASE SELECTOR-PRESELECTOR APPARATUS FOR ON-LOAD TAP CHANGER

Title (de)

MEHRPHASENWÄHLER-VORWAHLVORRICHTUNG FÜR LASTSTUFENSCHALTER

Title (fr)

APPAREIL SÉLECTEUR-PRÉSÉLECTEUR À PHASES MULTIPLES POUR CHANGEUR DE PRISE EN CHARGE

Publication

EP 3758034 A1 20201230 (EN)

Application

EP 19182352 A 20190625

Priority

EP 19182352 A 20190625

Abstract (en)

A multi-phase selector-preselector apparatus (10) for an on-load tap changer comprises an insulation tube (100) enclosing an insulation compartment (110); a preselector (200) disposed along an outer wall of the tube; a selector device (300) disposed inside the insulation compartment, and comprising a first selector arm (310) and a second selector arm (320), wherein the first selector arm (310) includes, per each phase (L1, L2, L3), an odd moving contact element (315-1, 315-2, 315-3), and wherein the second selector arm (320) includes, per each phase (L1, L2, L3), an even contact element (325-1, 325-2, 325-3); and a drive mechanism (400) for operating the selector device (300), the drive mechanism (400) comprising a mounting element (410) on which the first (310) and second (320) selector arms are commonly mounted such that they are moved in common by the drive mechanism (400).

IPC 8 full level

H01H 3/44 (2006.01); **H01F 29/04** (2006.01); **H01H 9/00** (2006.01)

CPC (source: CN EP KR)

H01F 29/04 (2013.01 - CN EP KR); **H01H 3/32** (2013.01 - CN); **H01H 3/38** (2013.01 - CN); **H01H 3/44** (2013.01 - EP KR); **H01H 9/0016** (2013.01 - EP KR); **H01H 9/0027** (2013.01 - KR); **H01H 9/0044** (2013.01 - KR); **H01H 9/02** (2013.01 - CN); **H01H 9/0027** (2013.01 - EP); **H01H 9/0044** (2013.01 - EP)

Citation (applicant)

BG 112740 A 20181115 - GROZDANOV TONI [BG]

Citation (search report)

- [X] WO 2018148811 A1 20180823 - ABB BULGARIA EOOD [BG]
- [A] US 2009211890 A1 20090827 - XIAO RIMING [CN]
- [A] DE 19836463 C1 19991021 - REINHAUSEN MASCHF SCHEUBECK [DE]

Cited by

KR20230080503A; CN116325051A; WO2022175029A1

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 3758034 A1 20201230; CN 114026665 A 20220208; EP 3991190 A1 20220504; KR 20220006651 A 20220117; WO 2020260497 A1 20201230

DOCDB simple family (application)

EP 19182352 A 20190625; CN 202080046924 A 20200625; EP 2020067899 W 20200625; EP 20733856 A 20200625; KR 20217041152 A 20200625