

Title (en)  
ON-LOAD TAP CHANGING DEVICE

Title (de)  
LASTENUMSCHALTUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE CHANGEMENT DE PRISE SOUS CHARGE

Publication  
**EP 3171373 A4 20180411 (EN)**

Application  
**EP 15821798 A 20150630**

Priority  
• JP 2014145430 A 20140715  
• JP 2015068802 W 20150630

Abstract (en)  
[origin: EP3171373A1] An on-load tap changer which ensures the compatibility of an oil tank when an interchange from the in-oil arc switching scheme to the vacuum-valve scheme is made, improves a retrofit function, achieves a space saving by simplifying components, and facilitates a construction of an actuation mechanism is provided. A change-over switch 46 for the vacuum-valve scheme is placed in an oil tank 50 filled with an insulation oil 56. The change-over switch 46 is provided with a main contact contained in vacuum valves 2, 3, 5, 6, and current-carrying conductors 7, 8 to reduce a current flowing in the main contact, and parallel link mechanisms actuating the current-carrying conductors 7, 8 in a parallel manner. A stationary contact 47 capable of contacting with and separating from the current-carrying conductors 7, 8 is attached to the internal wall surface of the oil tank 50. The change-over switch 46 is freely attachable to and detachable from the oil tank 50 with the stationary contact 47 being attached to the oil tank 50.

IPC 8 full level  
**H01F 29/04** (2006.01); **H01H 9/00** (2006.01); **H01H 9/08** (2006.01)

CPC (source: EP)  
**H01F 29/04** (2013.01); **H01H 9/0016** (2013.01); **H01H 9/0027** (2013.01); **H01H 9/0038** (2013.01); **H01H 9/0044** (2013.01); **H01H 9/08** (2013.01)

Citation (search report)  
• [Y] WO 2011141082 A1 20111117 - REINHAUSEN MASCHF SCHEUBECK [DE], et al  
• [Y] WO 2008024417 A2 20080228 - ABB TECHNOLOGY LTD [CH], et al  
• [Y] JP S6091608 A 19850523 - TOSHIBA KK  
• [Y] JP S58222506 A 19831224 - HITACHI LTD  
• See references of WO 2016009825A1

Cited by  
WO2022148583A1

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)  
**EP 3171373 A1 20170524; EP 3171373 A4 20180411; EP 3171373 B1 20190821**; JP 2016021533 A 20160204; JP 6282547 B2 20180221; WO 2016009825 A1 20160121

DOCDB simple family (application)  
**EP 15821798 A 20150630**; JP 2014145430 A 20140715; JP 2015068802 W 20150630