

Title (en)
DEVICE FOR DYNAMICALLY ADJUSTING THE VOLTAGE OF AN ELECTRICAL NETWORK

Title (de)
VORRICHTUNG ZUR DYNAMISCHEN ANPASSUNG DER SPANNUNG EINES ELEKTRISCHEN NETZWERKS

Title (fr)
DISPOSITIF DE REGLAGE DYNAMIQUE DE LA TENSION D'UN RESEAU ELECTRIQUE

Publication
EP 2878075 A2 20150603 (FR)

Application
EP 13756607 A 20130726

Priority
• FR 1257274 A 20120726
• FR 2013051810 W 20130726

Abstract (en)
[origin: WO2014016532A2] The present invention concerns an adjustment device intended to equip electrical networks, and more particularly a device for dynamically adjusting the voltage 3 of an electrical network having a first voltage 1 and an electrical network having a second voltage 2, said networks being connected to one another by a first transformer 5 that makes it possible to modify a voltage U1 of said network having the first voltage, the device comprising an adjustment transformer whereof the number of phases is identical to that of the network having the first voltage, the adjustment transformer comprising, for each phase, a secondary winding connected in series to the network having the first voltage and a primary winding comprising a variable number of turns connected to the network having the second voltage so as to obtain, at the terminals of the secondary winding, a voltage U3 that makes it possible to adjust a voltage U2 of said network having the second voltage.

IPC 8 full level
H02M 5/12 (2006.01); **H01F 29/04** (2006.01); **H02J 3/12** (2006.01); **H02J 3/18** (2006.01); **H02P 13/06** (2006.01)

CPC (source: EP US)
H02M 5/12 (2013.01 - EP US); **H02J 3/12** (2013.01 - EP US); **H02J 3/1807** (2013.01 - EP US); **H02J 3/1878** (2013.01 - EP US); **H02J 13/00002** (2020.01 - EP US); **H02P 13/06** (2013.01 - EP); **Y02E 40/30** (2013.01 - EP); **Y02E 40/70** (2013.01 - EP); **Y02E 60/00** (2013.01 - EP); **Y04S 10/22** (2013.01 - EP); **Y04S 10/30** (2013.01 - EP)

Citation (search report)
See references of WO 2014016532A2

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)
WO 2014016532 A2 20140130; WO 2014016532 A3 20140912; EP 2878075 A2 20150603; FR 2994039 A1 20140131; FR 2994039 B1 20160122

DOCDB simple family (application)
FR 2013051810 W 20130726; EP 13756607 A 20130726; FR 1257274 A 20120726