

Title (en)

METHOD FOR REGULATING A CENTRE VOLTAGE

Title (de)

VERFAHREN ZUR REGELUNG EINER MITTELPUNKTSPANNUNG

Title (fr)

PROCÉDÉ DE RÉGULATION D'UNE TENSION AU POINT MILIEU

Publication

**EP 2732544 A1 20140521 (DE)**

Application

**EP 12745420 A 20120712**

Priority

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- EP 2012063699 W 20120712

Abstract (en)

[origin: WO2013007788A1] The invention, which relates to a method for regulating a centre voltage, is based on the object of specifying a method which implements simplified centre regulation, allows a reduction in the outlay of hardware and software components and hence can be used inexpensively. This object is achieved by measuring the intermediate circuit capacitor voltages and ascertaining the centre voltage from these measured voltages, and taking the position of the centre voltage as a basis for shifting the timing of the switch-on and/or switch-off edges of the switching voltage, the absolute value and direction of the shift being dependent on the position of the centre voltage.

IPC 8 full level

**H02M 7/487** (2007.01); **H02M 7/527** (2006.01)

CPC (source: EP)

**H02M 7/487** (2013.01); **H02M 1/38** (2013.01)

Citation (search report)

See references of WO 2013007788A1

Citation (examination)

ZHOU JINGHUA ET AL: "A neutral-point potential control method for three-level inverters by injecting zero-sequence voltage", POWER ELECTRONICS FOR DISTRIBUTED GENERATION SYSTEMS (PEDG), 2010 2ND IEEE INTERNATIONAL SYMPOSIUM ON, IEEE, PISCATAWAY, NJ, USA, 16 June 2010 (2010-06-16), pages 309 - 313, XP031730449, ISBN: 978-1-4244-5669-7

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