

Title (en)
METHOD OF REGULATING THE POWER OF AN ENERGY CONVERSION INSTALLATION AND ENERGY CONVERSION INSTALLATION
DRIVEN BY SUCH A METHOD

Title (de)
VERFAHREN ZUR REGELUNG DER LEISTUNG EINER ENERGIEUMWANDLUNGSANLAGE UND DURCH EIN SOLCHES VERFAHREN
GESTEUERTE ENERGIEUMWANDLUNGSANLAGE

Title (fr)
MÉTHODE DE RÉGULATION DE LA PUISSANCE D'UNE INSTALLATION DE CONVERSION D'ÉNERGIE ET INSTALLATION DE CONVERSION
D'ÉNERGIE PILOTÉE PAR UNE TELLE MÉTHODE

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Application
EP 12730901 A 20120622

Priority
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Abstract (en)
[origin: WO2012175696A1] This method makes it possible to regulate the power of an energy conversion installation (100) for converting mechanical energy into electrical energy. The installation (100) comprises a machine (1), an alternator (2), a first converter (41), an electrical cable (3) which links the terminals of the alternator (2) to the first converter (41), a second converter (42), means of measurement (8, 41, 43), a control unit (5), the first converter (41) modulating the frequency and the current of the first electrical signal (S2). The method comprises a first prior step in which the value of a first quantity proportional to a reactive power is implemented in the control unit and a main step in which the control unit (5) determines the drive frequency and the drive current on the basis of an error equal to the difference between the first quantity and a second quantity which is both homogeneous to the first quantity, dependent on the reactive power of the first converter (41) and determined on the basis of a measured value of the current of the first electrical signal (S2).

IPC 8 full level
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CPC (source: EP US)
F03D 9/255 (2017.01 - EP US); **H02P 9/42** (2013.01 - EP US); **H02P 9/48** (2013.01 - EP US); **H02P 2101/10** (2015.01 - EP US); **H02P 2101/15** (2015.01 - EP US); **Y02E 10/72** (2013.01 - EP)

Citation (search report)
See references of WO 2012175696A1

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