

Title (en)
METHOD FOR OPERATING AN AT LEAST GENERATOR-OPERABLE ELECTRIC MACHINE AND MEANS FOR THE IMPLEMENTATION THEREOF

Title (de)
VERFAHREN ZUM BETREIBEN EINER ZUMINDEST GENERATORISCH BETREIBBAREN ELEKTRISCHEN MASCHINE UND MITTEL ZU DESSEN IMPLEMENTIERUNG

Title (fr)
PROCÉDÉ DE COMMANDE D'AU MOINS UNE MACHINE ÉLECTRIQUE POUVANT FONCTIONNER EN GÉNÉRATEUR ET MOYEN POUR METTRE EN OEUVRE CELUI-CI

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Abstract (en)
[origin: WO2016012301A1] The invention relates to a method (100) for controlling an at least generator-operable multi-phase electric machine (1), the phase connections (U-Y) of which are connected in an active bridge rectifier (2) respectively to a first DC current voltage connection (B-) via controllable first current valves (UL-YL) which can be switched on and off and to a second DC voltage connection (B+) via second current valves (UH-YH), wherein the method comprises, switching on the first current valves (UL-YL) in a generator operation of the electric machine (1) if an output voltage between the first DC voltage connection (B-) and the second direct voltage connection (B+) has exceeded an upper threshold value at an exceedance time, and switching off the first current valves (UL-YL) again only after the output voltage has run under a lower threshold value at an underrun time. The first current valves (UL-YL) are then each switched off again individually after the underrun time only if each indication value characterising a current flow in the phase connection (U-Y) associated with each current valve has a predefined property. The present invention also relates to means for implementing a corresponding method.

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