

Title (en)

METHOD FOR FEEDING ELECTRICAL POWER INTO AN ELECTRICAL SUPPLY NETWORK

Title (de)

VERFAHREN ZUM EINSPEISEN ELEKTRISCHER LEISTUNG IN EIN ELEKTRISCHES VERSORGUNGSNETZ

Title (fr)

PROCÉDÉ D'INJECTION DE PUISSANCE ÉLECTRIQUE DANS UN RÉSEAU DE DISTRIBUTION ÉLECTRIQUE

Publication

**EP 3747102 A1 20201209 (DE)**

Application

**EP 19701340 A 20190122**

Priority

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Abstract (en)

[origin: CA3088831A1] CA 03088831 2020-07-17 - 41 -Abstract The invention relates to a method for exchanging electric power with an electricity supply grid that has a grid frequency by way of a converter-controlled generation unit, in particular a wind power installation or a wind farm, at a grid connection point, comprising the steps of exchanging electric power depending on a control function, wherein the electric power may comprise active and reactive power, wherein the control function controls the power depending on at least one state variable of the electricity supply grid and it is possible to switch between a normal control function and a support control function, different from the normal control function, as control function, and the normal control function is used when it has been recognized that the electricity supply grid is operating stably and the support control function is used when a grid fault or an end of the grid fault has been recognized, wherein the support control function controls the fed-in power such that it is possible to counteract an oscillation in the electricity supply grid, in particular an oscillation of a synchronous generator connected to the electricity supply grid or an oscillation caused by the synchronous generator. Figure 6

IPC 8 full level

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CPC (source: EP US)

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