

Title (en)

REDUCTION OF HARMONICS IN ELECTRICAL GRIDS

Title (de)

REDUZIERUNG VON OBERWELLEN IN STROMNETZEN

Title (fr)

RÉDUCTION DES ONDES HARMONIQUES DANS LES RÉSEAUX ÉLECTRIQUES

Publication

**EP 3756259 A1 20201230 (DE)**

Application

**EP 19706528 A 20190218**

Priority

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Abstract (en)

[origin: CA3091984A1] The invention relates in particular to a method carried out by one or more devices, said method comprising: detecting network topology information indicative of a function of an electrical grid at a predetermined nominal frequency, wherein the nominal frequency is at least in part influenced by an active and/or reactive power consumption and/or an active and/or reactive power output and/or a rotational speed and/or a torque and/or a modulation angle and/or a phase angle of one component or multiple components which are included in the electrical grid; determining harmonics information indicative of one or more harmonic levels of the one or of the multiple components of the electrical grid or of one or more network nodes, wherein the harmonics information is determined at least in part on the basis of the network topology information; determining evaluation information indicative of the occurrence of one or more resonances and/or harmonic level increases in the electrical grid, wherein the evaluation information is determined at least in part on the basis of the determined harmonics information; and outputting the determined evaluation information. The invention also relates to a device and to a system for carrying out the method according to the invention.

IPC 8 full level

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