Title (en)

FEED-IN METHOD FOR A WIND POWER SYSTEM, AND WIND POWER SYSTEM

Title (de)

EINSPEISEVERFAHREN EINES WINDENERGIESYSTEMS SOWIE WINDENERGIESYSTEM

Title (fr)

PROCÉDÉ D'ALIMENTATION D'UN SYSTÈME D'ÉNERGIE ÉOLIENNE ET SYSTÈME D'ÉNERGIE ÉOLIENNE

Publication

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Application

EP 19808563 A 20191119

Priority

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Abstract (en)

[origin: WO2020104450A1] The invention relates to a method for feeding electrical power into an electrical supply grid by means of a wind power system comprising at least one wind farm, at a grid connection point, the electrical supply grid comprising at least one distribution grid and at least one additional higher grid portion lying hierarchically above the distribution grid, and the grid connection point being connected to the distribution grid, the method comprising the following steps: in a capturing step, capturing an initial feed-in limit related to the grid connection point, which initial feed-in limit specifies an initial power limit up to which the wind power system can feed electrical power into the electrical supply grid; in a basic checking step, checking if the farm power that can be generated from wind by the wind farm is limited by the initial feed-in limit, in particular whether said farm power lies above the initial power limit, the wind farm thus being throttled in the power output thereof by the initial power limit, in particular throttled to a power below the initial power limit; in an evaluation step, if it was detected in the basic checking step that the farm power is throttled, evaluating whether the initial power limit can be increased; in a changing step, if it was determined in the evaluation step that the power limit can be increased, increasing the initial power limit to an increased power limit; and feeding electrical power above the initial power limit if the initial power limit was increased to an increased power limit in the changing step. In the evaluation step, it is checked whether the initial feed-in limit can be changed by means of a limit redistribution.

IPC 8 full level

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