

Title (en)
CONTROLLING MICROGRIDS

Title (de)
STEUERUNG VON MICROGRIDS

Title (fr)
COMMANDE DE MICRO-RÉSEAUX

Publication
EP 3682387 A1 20200722 (DE)

Application
EP 17816464 A 20171120

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EP 2017079780 W 20171120

Abstract (en)
[origin: WO2019096424A1] The invention relates to a control method for an electrical grid arrangement (10) which comprises one or more electric generators (12, 14) and one or more power stores (16). The grid arrangement (10) is connected or can be connected to a main grid (100) in a controllable manner to draw current. A current withdrawal allocation (E1) is defined, which is provided for withdrawal by the grid arrangement (10) from the main grid (100) within a withdrawal time interval (T1). The control method comprises determining one or more optimisation conditions on the basis of the current withdrawal allocation (E1) for a control time interval (T2) which is shorter than the withdrawal time interval (T1), and carrying out an optimisation of an optimisation variable on the basis of the one or more optimisation conditions for the control time interval (T2) on the basis of time steps having an increment (T3) which is shorter than (T2). The method also comprises controlling the grid arrangement on the basis of the optimisation. The invention also relates to corresponding methods and devices.

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