

Title (en)

SYSTEMS AND METHODS FOR RENEWABLE POWERPLANT SERVING MULTIPLE LOADS

Title (de)

SYSTEME UND VERFAHREN FÜR EIN ERNEUERBARES KRAFTWERK MIT MEHREREN LASTEN

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR UNE CENTRALE ÉLECTRIQUE RENOUEVELABLE DESSERVANT PLUSIEURS CHARGES

Publication

EP 4189798 A1 20230607 (EN)

Application

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Abstract (en)

[origin: WO2023069316A1] The present disclosure provides systems and methods for serving two or more uncorrelated loads connected to a renewable energy powerplant. The uncorrelated loads comprise a power grid and one or more industrial processes. A system may comprise a renewable energy system (RES), an energy storage system (ESS), and a controller programmed to: discretize an upcoming forecast horizon into a plurality of time periods; calculate one or more metrics for sending energy generated by the first RES to: (1) the ESS, (2) the power grid, and (3) the one or more industrial processes; prioritize the: (1) ESS, (2) power grid, and (3) one or more industrial processes.

IPC 8 full level

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See references of WO 2023069316A1

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