Title (en)

MANAGING EMISSIONS DEMAND RESPONSE EVENT GENERATION

Title (de)

VERWALTUNG DER ERZEUGUNG VON EMISSIONSANFRAGEANTWORTEREIGNISSEN

Title (fr)

GESTION DE GÉNÉRATION D'ÉVÉNEMENT DE RÉPONSE À LA DEMANDE D'ÉMISSIONS

Publication

EP 4356336 A1 20240424 (EN)

Application

EP 22736095 A 20220603

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Abstract (en)

[origin: WO2022265862A1] Techniques for performing an emissions demand response event are described. In an example, a cloud-based HVAC control server system receives an emissions rate forecast for a predefined future time period. Using the emissions rate forecast, a plurality of emissions differential values are created for a plurality of points in time during the predefined future time period. The emissions differential values represent a change in predicted emissions over time. Based on the plurality of emissions differential values and a predefined maximum number of emissions demand response events, an emissions demand response event is generated during the predefined future time period. The cloud-based HVAC control server system then causes a thermostat to control an HVAC system in accordance with the generated emissions demand response event.

IPC 8 full level

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