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Uyeki

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(54) **METHOD FOR PRECISE DEMAND RESPONSE AND CONTROL, AND A SYSTEM THEREOF**

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See application file for complete search history.

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(57) **ABSTRACT**

There is a provided a system and a computer-implemented method for reducing electric consumption by an electric vehicle connected to a charging station. The method includes: providing a wireless network for communication between an electric vehicle and a tracking server operated by a trusted entity; collecting, on the tracking server, user and location information for charging electric vehicles (EVs); receiving, at the tracking server, a demand response signal comprising consumption reduction information including sector and time period information from a utility; identifying, at the tracking server, electric vehicles charging in the sector based on each EV's location information; and transmitting, from the tracking server, a charge interruption signal to the identified electric vehicles.

20 Claims, 5 Drawing Sheets