

Title (en)

SYSTEM AND METHOD FOR ESTIMATING ELECTRIC VEHICLE CHARGE NEEDS AMONG A POPULATION IN A REGION

Title (de)

SYSTEM UND VERFAHREN ZUR SCHÄTZUNG DES LADUNGSBEDARFS EINES ELEKTROFAHRZEUGS UNTER EINER POPULATION IN EINEM BEREICH

Title (fr)

SYSTÈME ET PROCÉDÉ D'ESTIMATION DE BESOINS DE CHARGE DE VÉHICULES ÉLECTRIQUES PARMI UNE POPULATION D'UNE RÉGION

Publication

EP 4327258 A2 20240228 (EN)

Application

EP 22727523 A 20220420

Priority

- US 202163177342 P 20210420
- US 202163177344 P 20210420
- US 202163177347 P 20210420
- US 2022025644 W 20220420

Abstract (en)

[origin: WO2022226124A2] An approach is provided for estimating electric vehicle (EV) charge needs among a population in a particular region. A method includes obtaining region-specific information associated with the particular region; wherein the region-specific information includes a number of EV drivers in the particular region. The method includes generating needs prediction data that indicates the EV charge needs among the population by applying the region-specific information to a mobility simulation of electrical vehicle drivers in the particular region; wherein the mobility simulation comprises a plurality of probability distribution functions. The method includes generating, based on the needs prediction data, on a display device of a computing device, a display that suggests a plurality of locations at which to place EV charging stations within the particular region to satisfy the estimated EV charge needs indicated in the needs prediction data.

IPC 8 full level

G06Q 10/06 (2023.01); **G06Q 50/06** (2024.01)

CPC (source: EP)

G06Q 10/06315 (2013.01); **G06Q 10/067** (2013.01); **G06Q 50/06** (2013.01)

Citation (search report)

See references of WO 2022226124A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022226124 A2 20221027; **WO 2022226124 A3 20221201**; **WO 2022226124 A9 20230921**; EP 4327258 A2 20240228

DOCDB simple family (application)

US 2022025644 W 20220420; EP 22727523 A 20220420