

REGIONAL CARBON EMISSION REDUCTION FORECASTING METHOD, SYSTEM, DEVICE AND STORAGE MEDIUM THEREFOR

ABSTRACT

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The present invention provides regional carbon emission reduction forecasting method, system, device and storage medium, the method includes: obtaining a current electric vehicle usage and a historical data curve within a target accounting area for establishing an electric vehicle usage growth model; obtaining a total power supply of all charging devices during a pre-accounting period; obtaining a maximum carbon emission generated by power consumption of the electric vehicle during a current pre-accounting period according to the total power supply and the total charging amount; obtaining an equivalent driving mileage using a preset energy conversion efficiency according to the total charging amount, and calculating an equivalent carbon emission of a fuel-powered vehicle for a same mileage using the equivalent driving mileage to finally obtain an initial carbon emission reduction of the electric vehicle within a regional scope; and establishing an equivalent model between the electric vehicle usage and the initial carbon emission. The present invention can realize rapid forecast of the carbon emission reduction of the electric vehicle to drive the development of the electric vehicle industry.

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(FIG. 1)