

TITLE OF INVENTION:
SYSTEM FOR MONITORING VEHICLE CARBON FOOTPRINT AND
GENERATING PLAN OF CARBON EMISSION REDUCTION AND
VEHICLE MANAGEMENT SYSTEM INCLUDING THE SAME

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ABSTRACT

A system for monitoring vehicle carbon footprint and generating plan of carbon emission reduction is disclosed. The system can be integrated in a vehicle management system, and comprises a server, a plurality of vehicle-end electronic devices, a plurality of user-end electronic devices, and a plurality of sensor assemblies. The sensor assembly is adopted for collecting a driving data of a transportation vehicle under execution task, and the server is configured to perform multiple functions including: conducting, based on a demand of vehicle utilization sent by the user-end electronic device, generation of transportation routes, calculation of an estimation carbon emission, dispatch of a transportation task; calculating, after the transportation vehicle travels along the transportation route so as to finish the transportation task, a real carbon emission based on the driving data; and calculating a bonus based on a difference between the real carbon emission and the estimation carbon emission.

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FIG. 1