INSTARIDE - RIDESHARE REQUEST MATCHING SYSTEM AND METHOD VIA GPS

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DESCRIPTION

This is a community and green environmental initiative. The invention stems from Riders' need to get transportation during peak hours and rainy days when it is difficult to get a taxi as well as to get to remote and hard to places e.g. Tuas. In addition, the system benefits Drivers who would like to cover the cost of their petrol and ERP charges for their destination. Currently, there exists a practice of in which motorists who possess a vehicle to offer vehicle rides to those who do not. Such arrangements usually take place in advance. The differentiating factor between this invention and ridesharing is that this system takes place in real time with the use of GPS. The system employs real-time user localisation to locate Riders and Drivers in real time, making just-in-time or unplanned rideshares possible. This is a two-way process in which a bid can be carried out by both driver and/or rider. The invention reduces the number of single occupancy vehicles, reduces traffic congestion, and thereby reduces the pollution and greenhouse gases attributable to vehicle traffic. In this manner, the invention encourages more efficient use and conservation of energy resources, including the reduction of energy consumption relating to automobiles.

CLAIMS.

1. A method of organizing the sharing of vehicle trips for riders, the steps comprising:

(a) receiving a ride request via a smart phone or hand held devise from one or more riders, wherein the ride request includes a rider location and a rider destination;
(b) identifying a beginning waypoint and an ending waypoint usable by global positioning system (GPS) receivers or GPS maps for vehicle travel:
(c) determining a vehicle route based on the beginning and ending waypoints;
(d) choosing a driver whose driver location or driver destination is geographically closest to the determined vehicle route using global positioning system;
(e) accessing the driver based on a rating system;
(f) if the fee and conditions are acceptable, presenting the rider location and rider destination of the chosen driver to the driver; and
(g) if the driver accepts, sending a notification via the communications network to the chosen rider alerting the chosen rider of the acceptance. A voice message chat can be utilized to further coordinate.

2. A method of organizing the sharing of vehicle trips for drivers, the steps comprising:

(a) receiving a drive request via a smart phone or hand held devise from one or more drivers, wherein the drive request includes a driver location and a driver destination;
(b) identifying a beginning waypoint and an ending waypoint usable by global positioning system (GPS) receivers or GPS maps for vehicle travel:
(c) determining a vehicle route based on the beginning and ending waypoints;
(d) choosing a rider whose rider location or rider destination is geographically closest to the determined vehicle route using global positioning system;
(e) accessing the rider based on a rating system;
(f) if the fee and conditions are acceptable, presenting the driver location and driver destination of the chosen driver to the rider; and
(g) if the rider accepts, sending a notification via the communications network to the chosen driver alerting the chosen driver of the acceptance. A voice message chat can be utilized to further coordinate.

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