CLAIMS

1. A ride-sharing request method which is executed by a computer, the ride-sharing request method comprising:

receiving, from a ride-sharing request candidate terminal, information on a desired ride place of a ride-sharing request and a desired drop-off place of the ride-sharing request;

obtaining information on present locations of a plurality of candidate vehicles of the ride-sharing request;

extracting, from memory information on previous travel paths of the plurality of candidate vehicles, travel paths from parking locations corresponding to the present locations;

selecting, from the plurality of candidate vehicles, a candidate vehicle to which the ride-sharing request is to be transmitted based on amounts of changes in a time to be taken or a distance to be travelled when the extracted travel paths are changed to travel paths that pass through the desired ride place and the desired drop-off place with respect to a time to be taken or a distance to be travelled of the extracted travel paths; and

transmitting the ride-sharing request to a terminal of the selected candidate vehicle.

2. The ride-sharing request method according to claim 1, further comprising:

selecting, in the selecting the candidate vehicle, the candidate vehicle based on a first probability distribution of arrival times at the desired ride place of the plurality of candidate vehicles, wherein the first probability distribution is estimated using a second probability distribution of departure times from start

locations in the previous travel paths and times to be taken from the start locations to the desired ride place.

3. A ride-sharing request apparatus comprising:

a receiver configured to receive, from a ride-sharing request candidate terminal, information on a desired ride place of a ride-sharing request and a desired drop-off place of the ride-sharing request; and

a transmitter configured to:

obtain information on present locations of a plurality of candidate vehicles of the ride-sharing request;

extract, from memory information on previous travel paths of the plurality of candidate vehicles, travel paths from parking locations corresponding to the present locations;

select, from the plurality of candidate vehicles, a candidate vehicle to which the ride-sharing request is to be transmitted based on amounts of changes in a time to be taken or a distance to be travelled when the extracted travel paths are changed to travel paths that pass through the desired ride place and the desired drop-off place with respect to a time to be taken or a distance to be travelled of the extracted travel paths; and

transmit the ride-sharing request to a terminal of the selected candidate vehicle.

4. A program which causes a computer to operations, the operations comprising:

receiving, from a ride-sharing request candidate terminal, information on a desired ride place of a ride-sharing request and a desired drop-off place of the

ride-sharing request;

obtaining information on present locations of a plurality of candidate vehicles of the ride-sharing request;

extracting, from memory information on previous travel paths of the plurality of candidate vehicles, travel paths from parking locations corresponding to the present locations;

selecting, from the plurality of candidate vehicles, a candidate vehicle to which the ride-sharing request is to be transmitted based on amounts of changes in a time to be taken or a distance to be travelled when the extracted travel paths are changed to travel paths that pass through the desired ride place and the desired drop-off place with respect to a time to be taken or a distance to be travelled of the extracted travel paths; and

transmitting the ride-sharing request to a terminal of the selected candidate vehicle.