Claims

1. A method to improve live tracking accuracy of driver location on a subscriber application using a system to improve live tracking accuracy of driver location, the method comprising:

accepting a booking from subscriber on a driver device;

determining, by the system, whether a booking status of the booking is On the Way for Pick-up or On the Way to Drop-off Location;

if the booking status is On the Way to Drop-off Location, sending, by the system, location pings at a first frequency to a subscriber device;

if the booking status is On the Way for Pick-up, checking, by the system, whether it is within an initial period after the driver has received the booking;

if yes, sending, by the system, location pings at a second frequency, which is higher than the first frequency, to the subscriber device;

if no, determining, by the system, whether the driver location is within a threshold distance from the pick-up location;

if yes, sending, by the system, location pings at the second frequency to the subscriber device; and

if no, sending, by the system, location pings at the first frequency to the subscriber device.

2. The method to improve live tracking accuracy of driver location on subscriber application according to claim 1, wherein sending location pings at the second frequency comprises:

sending aggressive location pings based on polling and drop-off location configuration to the driver location;

giving tags on aggressive location pings to differentiate them from pings sent at the first frequency;

publishing aggressive location pings to a separate Kafka topic;

receiving the aggressive location pings from the separate Kafka topic through a firehose; and

giving the aggressive location pings to a live tracking subsystem (NAVIC).

3. The method to improve live tracking accuracy of driver location on subscriber application according to claim 2, wherein the aggressive location pings are sent at intervals of less than 10 seconds.