

CLAIMS

1. A fine generation method for automatic generation of fines related to a transport network associated with a transportation network company, the method comprising:
 - 5 receiving, by a regulatory monitoring system, real time vehicle data related to a vehicle within the transport network;
 - receiving, from a transportation network company, trip data relating to one or more trips of the vehicle;
 - storing the trip data in a database;
 - 10 generating violation data by analysing the real time vehicle data and the trip data stored in the database to detect if a violation has occurred; and
 - generating a fine based on the violation data.
2. A method according to claim 1, comprising generating estimated fare data from the real
15 time vehicle data.
3. A method according to claim 1 or claim 2, in which the trip data comprises reported fare data for a trip that is reported by the transportation network company.
- 20 4. A method according to claim 3, in which::
 - generating the violation data comprises comparing a reported fare as indicated by the reported fare data with an estimated fare as indicated by the estimated fare data; and
 - generating the fine comprises generating the fine if a predetermined condition with respect
25 to the reported fare and the estimated fare is satisfied.
5. A method according to claim 4, in which the predetermined condition is that the estimated fare is a threshold amount different from the reported fare.
6. A method according to any previous claim, in which the vehicle data comprises telematics
30 data indicative of one or more attributes of position of the vehicle.
7. A method according to claim 6, in which the telematics data comprises one or more of: vehicle location; vehicle speed; vehicle direction; and vehicle acceleration.
- 35 8. A method according to claim 6 or claim 7, in which the vehicle data comprises seat data generated using a seat sensor associated with a seat located in the vehicle, the seat data being indicative of whether a vehicle occupant is occupying the seat.

9. A method according to any preceding claim, in which the vehicle data comprises one or more of: toll gate data; vehicle type data; engine parameter data; passenger count data; and driver identification data.
- 5 10. A fine generation system for automatic generation of fines related to a transport network associated with a transportation network company, the fine generation system comprising:
a regulatory monitoring system operable to receive real time vehicle data related to a vehicle within the transport network;
a database operable to receive, from the transportation network company, trip data
10 relating to trips of the vehicle, and to store the trip data; and
a violation module operable to generate violation data by analysing the real time vehicle data and the trip data stored in the database to detect if a violation has occurred, and to generate a fine based on the violation data.
- 15 11. A computer program comprising software, which when implemented on a processor, causes the processor to carry out a method according to any of claims 1 to 9.
12. A storage medium comprising a computer program according to claim 11.