

WHAT IS CLAIMED IS:

1. A method performed in a system for supporting transportation of goods, the system comprising one or more processors and the method comprising the steps of:

by the one or more processors, acquiring information on a delivery place or collection place and a quantity of goods to be transported, information on an amount of time required for transportation of the goods, and information on a transporter to transport the goods;

by the one or more processors, determining at least one optimal regional unit where last-mile delivery of the goods is to be performed, on the basis of the acquired information; and

by the one or more processors, determining a transporter to be assigned to the at least one optimal regional unit, on the basis of the information on the transporter,

wherein the at least one optimal regional unit is determined as a spatial unit that allows a transporter performing the last-mile delivery to transport or collect a reference quantity of goods to the delivery place or from the collection place within a reference time period,

wherein the at least one optimal regional unit is determined by contracting or expanding a predetermined regional unit, or by setting a new regional unit regardless

of the predetermined regional unit,

wherein in the acquiring step, the quantity of goods to be transported is estimated using an artificial intelligence model that is trained on the basis of a correlation between information on a quantity of goods transported in the past and quantity influencing factors capable of affecting the quantity of goods,

wherein in the acquiring step, the amount of time required for transportation of the goods is estimated using an artificial intelligence model that is trained on the basis of a correlation between information on an amount of time required for transportation of goods transported in the past and time influencing factors capable of affecting the amount of time required for transportation of the goods, and

wherein an automobile serves as the transporter and the method further comprises the step of:

in response to determining the transporter to be assigned to the at least one optimal regional unit, automatically causing the automobile to perform the last-mile delivery to transport or collect the reference quantity of goods to the delivery place or from the collection place within the reference time period.

2. The method of Claim 1, further comprising the step of:

by the one or more processors, sorting the goods to be transported on the basis of the determined at least one

optimal regional unit.

3. The method of Claim 2, wherein information on transportation of the sorted goods is provided to a plurality of transporters so that a transporter to transport
5 the goods is determined.

4. The method of Claim 3, wherein the transporter to transport the goods is determined in a first-come, first-served manner or a competitive bidding manner.
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5. The method of Claim 3, wherein the information on transportation of the sorted goods includes an amount of money to be received by the transporter for transporting the sorted goods or delivery boxes containing the sorted goods,
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wherein the amount of money is determined on the basis of at least one of a number of goods to be transported by the transporter, difficulty of transportation, and a level
20 of supply and demand for transporters in a regional unit where the sorted goods or the delivery boxes are to be transported.

6. A non-transitory computer-readable recording medium
25 having stored thereon a computer program for executing the method of Claim 1.

7. A system for supporting transportation of goods, the system comprising one or more processors configured to:

5 acquire information on a delivery place or collection place and a quantity of goods to be transported, information on an amount of time required for transportation of the goods, and information on a transporter to transport the goods;

10 determine at least one optimal regional unit where last-mile delivery of the goods is to be performed, on the basis of the acquired information; and

determine a transporter to be assigned to the at least one optimal regional unit, on the basis of the information on the transporter,

15 wherein the at least one optimal regional unit is determined as a spatial unit that allows a transporter performing the last-mile delivery to transport or collect a reference quantity of goods to the delivery place or from the collection place within a reference time period,

20 wherein the at least one optimal regional unit is determined by contracting or expanding a predetermined regional unit, or by setting a new regional unit regardless of the predetermined regional unit,

25 wherein the one or more processors are configured to estimate the quantity of goods to be transported using an artificial intelligence model that is trained on the basis

of a correlation between information on a quantity of goods transported in the past and quantity influencing factors capable of affecting the quantity of goods,

wherein the one or more processors are configured to
5 estimate the amount of time required for transportation of the goods using an artificial intelligence model that is trained on the basis of a correlation between information on an amount of time required for transportation of goods transported in the past and time influencing factors capable
10 of affecting the amount of time required for transportation of the goods,

wherein the system further comprises an automobile configured to serve as the transporter, and

wherein the one or more processors are configured to,
15 in response to determining the transporter to be assigned to the at least one optimal regional unit, automatically cause the automobile to perform the last-mile delivery to transport or collect the reference quantity of goods to the delivery place or from the collection place within the
20 reference time period.

8. The system of Claim 7, wherein the one or more processors are configured to sort the goods to be transported on the basis of the determined at least one
25 optimal regional unit.

9. The system of Claim 8, wherein the one or more processors are configured to provide information on transportation of the sorted goods to a plurality of transporters so that a transporter to transport the goods is
5 determined.

10. The system of Claim 9, wherein the transporter to transport the goods is determined in a first-come, first-served manner or a competitive bidding manner.

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11. The system of Claim 9, wherein the information on transportation of the sorted goods includes an amount of money to be received by the transporter for transporting the sorted goods or delivery boxes containing the sorted goods,
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wherein the one or more processors are configured to determine the amount of money on the basis of at least one of a number of goods to be transported by the transporter, difficulty of transportation, and a level of supply and
20 demand for transporters in a regional unit where the sorted goods or the delivery boxes are to be transported.