consideration of repair costs. Normally, used vehicle purchasers merely propose a certain disposal method. In other words, some used vehicle purchasers merely purchase used vehicles on the premise of reselling the used vehicles in Japan after repairing the used vehicles. As a result, for users of used vehicles, there have been no proposals for purchase prices for appropriate disposal methods other than those assumed by the used vehicle purchasers.

[0005]

The present invention has been made in view of such circumstances, and an object of the present invention is to improve convenience in proposing a reuse method for a damaged vehicle to a user who manages the damaged vehicle.

SUMMARY

Means for Solving the Problems

[0006]

In order to achieve the above object, an aspect of the present disclosure is to provide an information processing device that classifies a reuse method of a damaged vehicle managed by a user,

the information processing device including:

a damaged vehicle information acquisition unit that acquires, as damaged vehicle information, information including vehicle information on the damaged vehicle and damage information capable of identifying damage to the damaged vehicle;

a degree-of-damage determination unit that calculates a repair cost of the damaged vehicle based on the damage information

and determines a degree of damage based on the repair cost;

a residual value determination unit that calculates a used vehicle market price based on the vehicle information and determines a residual value based on the used vehicle market price and the degree of damage; and

a reuse method classification unit that classifies, based on the degree of damage and the residual value, the reuse method of the damaged vehicle into either a restoration sales method of restoring the damaged vehicle and selling the damaged vehicle as a used vehicle or a recycling method of recycling the damaged vehicle.

wherein, in a case in which a plane including a first axis indicating the degree of damage and a second axis indicating the residual value is provided in advance, the plane being further classified into a first region indicating the restoration sales method and a second region indicating the recycling method from a viewpoint of an economic value,

the reuse method classification unit classifies the reuse method of the damaged vehicle into either the restoration sales method or the recycling method by determining which region of the first region or the second region a point on the plane specified by the degree of damage determined by the degree-of-damage determination unit and the residual value determined by the residual value determination unit belongs to.

[0007]

An information processing method and a program according

to an example of the present disclosure are a method and a program corresponding to the information processing device according to an example of the present disclosure.

[0007a]

In another aspect, the present disclosure refers to an information processing method executed by an information processing device that classifies a reuse method of a damaged vehicle managed by a user, the information processing method comprising:

a damaged vehicle information acquisition step of acquiring, as damaged vehicle information, information including vehicle information on the damaged vehicle and damage information capable of identifying damage to the damaged vehicle;

a degree-of-damage determination step of calculating a repair cost of the damaged vehicle based on the damage information and determining a degree of damage based on the repair cost;

a residual value determination step of calculating a used vehicle market price based on the vehicle information and determining a residual value based on the used vehicle market price and the degree of damage; and

a reuse method classification step of classifying, based on the degree of damage and the residual value, the reuse method of the damaged vehicle into either a restoration sales method of restoring the damaged vehicle and selling the damaged vehicle as a used vehicle or a recycling method of recycling the damaged vehicle,

wherein, in a case in which a plane including a first axis indicating the degree of damage and a second axis indicating the residual value is provided in advance, the plane being further classified into a first region indicating the restoration sales method and a second region indicating the recycling method from a viewpoint of an economic value,
the reuse method classification step classifies the reuse method of the damaged vehicle into either the restoration sales method or the recycling method by determining which region of the first region or the second region a point on the plane specified by the degree of damage determined by the degree-of-damage determination step and the residual value determined by the residual value determination step belongs to.

[0007b]

In yet another aspect, the present disclosure refers to a program causing a computer that classifies a reuse method of a damaged vehicle managed by a user to execute control processing including:

a damaged vehicle information acquisition step of acquiring, as damaged vehicle information, information including vehicle information on the damaged vehicle and damage information capable of identifying damage to the damaged vehicle;

a degree-of-damage determination step of calculating a repair cost of the damaged vehicle based on the damage information and determining a degree of damage based on the repair cost;

a residual value determination step of calculating a used

vehicle market price based on the vehicle information and determining a residual value based on the used vehicle market price and the degree of damage; and

a reuse method classification step of classifying, based on the degree of damage and the residual value, the reuse method of the damaged vehicle into either a restoration sales method of restoring the damaged vehicle and selling the damaged vehicle as a used vehicle or a recycling method of recycling the damaged vehicle,

wherein, in a case in which a plane including a first axis indicating the degree of damage and a second axis indicating the residual value is provided in advance, the plane being further classified into a first region indicating the restoration sales method and a second region indicating the recycling method from a viewpoint of an economic value,

the reuse method classification step classifies the reuse method of the damaged vehicle into either the restoration sales method or the recycling method by determining which region of the first region or the second region a point on the plane specified by the degree of damage determined by the degree-of-damage determination step and the residual value determined by the residual value determination step belongs to.

Effects of the Disclosure

[0008]

According to the present disclosure, it is

possible to improve convenience in proposing a reuse method for a damaged vehicle to a user who manages the damaged vehicle.

BRIEF DESCRIPTION OF THE DRAWINGS

[0009]

FIG. 1 is a schematic diagram illustrating an example of a flow of a present service to which an information processing system including a server according to an embodiment of an information processing device of the present invention is

CLAIMS

1. An information processing device that classifies a reuse method of a damaged vehicle managed by a user, the information processing device comprising:

a damaged vehicle information acquisition unit that acquires, as damaged vehicle information, information including vehicle information on the damaged vehicle and damage information capable of identifying damage to the damaged vehicle;

a degree-of-damage determination unit that calculates a repair cost of the damaged vehicle based on the damage information and determines a degree of damage based on the repair cost;

a residual value determination unit that calculates a used vehicle market price based on the vehicle information and determines a residual value based on the used vehicle market price and the degree of damage; and

a reuse method classification unit that classifies, based on the degree of damage and the residual value, the reuse method of the damaged vehicle into either a restoration sales method of restoring the damaged vehicle and selling the damaged vehicle as a used vehicle or a recycling method of recycling the damaged vehicle,

wherein, in a case in which a plane including a first axis indicating the degree of damage and a second axis indicating the residual value is provided in advance, the plane being

further classified into a first region indicating the restoration sales method and a second region indicating the recycling method from a viewpoint of an economic value,

the reuse method classification unit classifies the reuse method of the damaged vehicle into either the restoration sales method or the recycling method by determining which region of the first region or the second region a point on the plane specified by the degree of damage determined by the degree-of-damage determination unit and the residual value determined by the residual value determination unit belongs to.

2. The information processing device according to claim 1, wherein the degree-of-damage determination unit calculates a domestic repair cost as the repair cost,

the residual value determination unit calculates a domestic used vehicle market price as the used vehicle market price, and

when the reuse method of the damaged vehicle is classified into the restoration sales method, the reuse method classification unit classifies, based on the domestic repair cost and the domestic used vehicle market price, the reuse method of the damaged vehicle into either a domestic restoration sales method in which the damaged vehicle is restored and sold domestically as a used vehicle or an overseas restoration sales method in which the damaged vehicle is restored and sold overseas as a used vehicle.

3. The information processing device according to claim 1 or 2, wherein when the reuse method of the damaged vehicle is classified into the recycling method, the reuse method classification unit classifies, based on the residual value, the reuse method of the damaged vehicle into either a resource recycling method in which the damaged vehicle is recycled as a resource or a parts recycling method in which at least some of parts constituting the damaged vehicle are recycled as parts.

4. The information processing device according to claim 3, wherein when the reuse method of the damaged vehicle is classified into the recycling method, the reuse method classification unit classifies the reuse method into either the resource recycling method or the parts recycling method, using each of the parts constituting the damaged vehicle as a unit.

5. An information processing method executed by an information processing device that classifies a reuse method of a damaged vehicle managed by a user, the information processing method comprising:

a damaged vehicle information acquisition step of acquiring, as damaged vehicle information, information including vehicle information on the damaged vehicle and damage information capable of identifying damage to the damaged vehicle;

a degree-of-damage determination step of calculating a

repair cost of the damaged vehicle based on the damage information and determining a degree of damage based on the repair cost;

a residual value determination step of calculating a used vehicle market price based on the vehicle information and determining a residual value based on the used vehicle market price and the degree of damage; and

a reuse method classification step of classifying, based on the degree of damage and the residual value, the reuse method of the damaged vehicle into either a restoration sales method of restoring the damaged vehicle and selling the damaged vehicle as a used vehicle or a recycling method of recycling the damaged vehicle,

wherein, in a case in which a plane including a first axis indicating the degree of damage and a second axis indicating the residual value is provided in advance, the plane being further classified into a first region indicating the restoration sales method and a second region indicating the recycling method from a viewpoint of an economic value,

the reuse method classification step classifies the reuse method of the damaged vehicle into either the restoration sales method or the recycling method by determining which region of the first region or the second region a point on the plane specified by the degree of damage determined by the degree-of-damage determination step and the residual value determined by the residual value determination step belongs to.

6. A program causing a computer that classifies a reuse method of a damaged vehicle managed by a user to execute control processing including:

a damaged vehicle information acquisition step of acquiring, as damaged vehicle information, information including vehicle information on the damaged vehicle and damage information capable of identifying damage to the damaged vehicle;

a degree-of-damage determination step of calculating a repair cost of the damaged vehicle based on the damage information and determining a degree of damage based on the repair cost;

a residual value determination step of calculating a used vehicle market price based on the vehicle information and determining a residual value based on the used vehicle market price and the degree of damage; and

a reuse method classification step of classifying, based on the degree of damage and the residual value, the reuse method of the damaged vehicle into either a restoration sales method of restoring the damaged vehicle and selling the damaged vehicle as a used vehicle or a recycling method of recycling the damaged vehicle,

wherein, in a case in which a plane including a first axis indicating the degree of damage and a second axis indicating the residual value is provided in advance, the plane being further classified into a first region indicating the restoration sales method and a second region indicating the

recycling method from a viewpoint of an economic value,

the reuse method classification step classifies the reuse method of the damaged vehicle into either the restoration sales method or the recycling method by determining which region of the first region or the second region a point on the plane specified by the degree of damage determined by the degree-of-damage determination step and the residual value determined by the residual value determination step belongs to.