[CLAIMS]

1. A vehicle management system comprising:

a vehicle-mounted device and a vehicle management device,

wherein the vehicle-mounted device includes

a vehicle identification unit that is configured to identify other vehicles from an image generated by photographing surroundings of a host vehicle using a photographing device;

a reception information detector that is configured to detect identification information of the other vehicles on the basis of a signal received by inter-vehicle communication among vehicle-mounted devices of the other vehicles located within a communication range of the inter-vehicle communication;

a determination unit that is configured to determine whether identification information corresponding to the other vehicles identified from the image has been acquired; and

an image transmitter that is configured to transmit an image in which the identified other vehicles are reflected to the vehicle management device when the identification information corresponding to the other vehicles identified from the image cannot be acquired.

2. The vehicle management system according to claim 1,

wherein the vehicle management device includes a recording unit that is configured to record information on other vehicles whose identification information cannot be acquired as fraudulent vehicle candidates.

3. The vehicle management system according to claim 1 or 2,

wherein the vehicle identification unit is configured to identify other vehicles that are other vehicles traveling on an opposite lane from a plurality of images continuously acquired

by a photographing device and are located within a communication range of the inter-vehicle communication and positional information of the other vehicles,

the reception information detector is configured to detect identification information of the other vehicles and the positional information detected by vehicle-mounted devices of the other vehicles based on a signal received by the inter-vehicle communication, and

the determination unit is configured to determine whether the identification information corresponding to other vehicles identified from the image has been acquired on the basis of a correspondence relationship between the positional information of identified other vehicles acquired from the plurality of images continuously acquired by the photographing device and the positional information detected by the reception information detector.

4. A vehicle-mounted device comprising:

a vehicle identification unit configured to identify other vehicles from an image generated by photographing surroundings of a host vehicle using a photographing device;

a reception information detector configured to detect identification information of the other vehicles on the basis of a signal received by inter-vehicle communication among vehicle-mounted devices of the other vehicles located within a communication range of the inter-vehicle communication;

a determination unit configured to determine whether identification information corresponding to the other vehicles identified from the image has been acquired; and

an image transmitter that is configured to transmit an image in which the identified other vehicles are reflected to the vehicle management device when the identification information corresponding to the other vehicles identified from the image cannot be acquired.

5. A vehicle management method in a vehicle management system having a vehicle-mounted device and a vehicle management device comprising:

by the vehicle-mounted device

identifying other vehicles from an image generated by photographing surroundings of a host vehicle using a photographing device;

detecting identification information of the other vehicles on the basis of a signal received by inter-vehicle communication among vehicle-mounted devices of the other vehicles located within a communication range of the inter-vehicle communication;

determining whether identification information corresponding to the other vehicles identified from the image has been acquired; and

transmitting an image in which the identified other vehicles are reflected to the vehicle management device when the identification information corresponding to the other vehicles identified from the image cannot be acquired.

6. A program which causes a computer of a vehicle-mounted device to function as:

a vehicle identifying means that is configured to identify other vehicles from an image generated by photographing surroundings of a host vehicle using a photographing device,

a reception information detecting means that is configured to detect identification information of the other vehicles on the basis of a signal received by the inter-vehicle communication among vehicle-mounted devices of the other vehicles located within a communication range of the inter-vehicle communication,

a determination means that is configured to determine whether identification information corresponding to the other vehicles identified from the image has been acquired, and

an image transmitting means that is configured to transmit an image in which the

identified other vehicles are reflected to the vehicle management device when the identification information corresponding to the other vehicles identified from the image cannot be acquired.