

information processing apparatus, an information processing method, and a storage medium capable of easily registering and managing a relationship between the baggage and its owner.

[Summary]

[0006]

According to one aspect of the present invention, there is provided an information processing apparatus including: a first acquisition unit that acquires biometric information of a person; a second acquisition unit that acquires identification information of baggage possessed by the person, the biometric information of the person and the identification information of the baggage being acquired from one captured image captured together; and a creating unit that creates link information for associating the biometric information with the identification information.

[0007]

According to another aspect of the present invention, there is provided an information processing method including: acquiring biometric information of a person; acquiring identification information of baggage possessed by the person, the biometric information of the person and the identification information of the baggage being acquired from one captured image captured together; and creating link information for associating the biometric information with the identification information.

[0008]

According to yet another aspect of the present invention, there is provided a storage medium storing a program that causes a computer to perform: acquiring biometric information of a person; acquiring identification information of baggage possessed by the person, the biometric information of the person and the identification information of the baggage being acquired from one captured image captured together; and creating link information for associating the biometric information with the identification information.

[Advantageous Effects of Invention]

[CLAIMS]

[Claim 1]

An information processing apparatus comprising:
a determination means for determining a creditworthiness of a person based on attribute information of the person;

an association means for associating between biometric information of the person, identification information of baggage possessed by the person, and the creditworthiness, the biometric information of the person and the identification information of the baggage being acquired from one captured image captured together; and

a control means for changing a threshold for a security inspection of the person based on the creditworthiness.

[Claim 2] The information processing apparatus according to claim 1, further comprising:

wherein the security inspection includes a baggage inspection for determining whether or not a target article restricted from being carried into a restricted area is included in the baggage and a body inspection for determining whether or not the target article is possessed by the person,

wherein the control means executes, based on the creditworthiness, the baggage inspection and the body inspection in parallel.

[Claim 3]

The information processing apparatus according to claim 2,

wherein the control means changes, based on a result of one inspection of the baggage inspection and the body inspection, the threshold for the security inspection of the target article in another inspection.

[Claim 4]

The information processing apparatus according to claim 3, wherein when the target article is detected in the one inspection of the baggage inspection and the body inspection, the control means sets the threshold for the security inspection of the target article in another inspection higher than the currently set conditions value.

[Claim 5]

The information processing apparatus according to any one of claims 2 to 4, further comprising:

an acquisition means for acquiring acquires the attribute information by matching process of registered biometric information and the biometric information preliminarily associated with the attribute information of the person,

wherein the control means changes the threshold for the security inspection of the target article in each of the baggage inspection and the body inspection based on the attribute information.

[Claim 6]

The information processing apparatus according to claim 5, wherein the attribute information includes at least one of a gender, an age, and nationality of the person.

[Claim 7]

The information processing apparatus according to claim 5 or 6, wherein the attribute information includes inspection history information of the body inspection and the baggage inspection that were performed.

[Claim 8]

The information processing apparatus according to claim 7, wherein when the inspection history information indicating that the target article was detected in the past is acquired, the control means sets the threshold for the security inspection of the target article higher than the currently set value.

[Claim 9]

The information processing apparatus according to any one of claims 5 to 8, wherein the attribute information includes travel history information of the person.

[Claim 10]

The information processing apparatus according to any one of claims 2 to 9, wherein the control means determines a storage location of the baggage based on a result of the baggage inspection and controls the conveyance of the baggage to the storage location.

[Claim 11]

The information processing apparatus according to claim 10, wherein when the target article is not detected in the baggage inspection and the body inspection, the control means causes a display terminal to display information regarding the storage location of the baggage.

[Claim 12]

The information processing apparatus according to claim 11, wherein the control means causes the display terminal to display information regarding the storage location based on a result of matching between a second biometric information of the person acquired by the display terminal and the biometric information associated with the identification information.

[Claim 13]

The information processing apparatus according to any one of claims 10 to 12, wherein the control means controls the ejecting of the baggage from a storage device based on a result of matching between a third biometric information of the person acquired in a storage device at the storage location and the biometric information associated with the identification information.

[Claim 14]

The information processing apparatus according to any one of claims 2 to 13, wherein when the target article is detected in the body inspection or the baggage inspection, the control means outputs detection information of the target article to a predetermined operation terminal.

[Claim 15]

The information processing apparatus according to any one of claims 2 to 14, further comprising:

a baggage inspection means for executing the baggage inspection based on a learning model that previously learned the relationship between an image capturing the baggage and feature information regarding the target article.

[Claim 16]

The information processing apparatus according to any one of claims 2 to 14, further comprising:

a body inspection means for executing the body inspection based on a learning model that previously learned the relationship between an image capturing a body of the person and feature information regarding the target article.

[Claim 17]

The information processing apparatus according to claim 1, the identification information is any of a character, a graphic, or a barcode acquired from the captured image of a container storing the baggage.

[Claim 18]

The information processing apparatus according to claim 1, wherein the identification information is a feature amount acquired from the captured image of the baggage.

[Claim 19]

An information processing method comprising:
determining a creditworthiness of a person based on attribute information of the person;
associating between biometric information of the person, identification information of baggage possessed by the person, and the creditworthiness, the biometric information of the person and the identification information of the baggage being acquired from one captured image captured together; and
changing a threshold for a security inspection of the person based on the creditworthiness.

[Claim 20]

A storage medium storing a program that causes a computer to perform:
determining a creditworthiness of a person based on attribute information of the person;
associating between biometric information of the person, identification information of baggage possessed by the person, and the creditworthiness, the biometric information of the person and the identification information of the baggage being acquired from one captured image captured together; and
changing a threshold for a security inspection of the person based on the creditworthiness.