CLAIMS

[Claim 1.] A warehousing and shipping management system comprising:

memory means configured to store first coded information contained in optical recognition codes attached to each of a plurality of objects and second coded information contained in object-attached radio communication tags attached to each of the plurality of objects;

coded information acquiring means configured to acquire the first coded information contained in the optical recognition code attached to a target object out of the plurality of objects;

location information acquiring means configured to automatically acquire location information of each of the object-attached radio communication tags and location information of an operator's radio communication tag attached to an operator; and

processing means configured to associate the first coded information corresponding to the optical recognition code attached to the target object among the first coded information that is stored in the memory means and the second coded information corresponding to the object-attached radio communication tag attached to the target object among the second coded information that is stored in the memory means on the basis of the location information of each of the object-attached radio communication tags and the location information of the operator's radio communication tag when the first coded information was acquired by the coded information acquiring means.

[Claim 2.] The warehousing and shipping management system according to claim 1, wherein the processing means associates the second coded information corresponding to the object-attached radio communication tag located nearest the operator's radio communication tag when the first coded

information was acquired by the coded information acquiring means with the first coded information corresponding to the optical recognition code attached to the target object.

[Claim 3.] The warehousing and shipping management system according to claim 1 or 2, wherein

the object-attached radio communication tag comprises a lamp, and

the warehousing and shipping management system further comprises transmitting means configured to transmit an operation instruction signal for operating the lamp of the object-attached radio communication tag corresponding to the second coded information associated with the first coded information by the processing means.

[Claim 4.] The warehousing and shipping management system according to claim 3, wherein, when the operator's radio communication tag comes within a predetermined distance of a specific object-attached radio communication tag in at least one of a warehousing operation and a shipping operation, the transmitting means transmits the operation instruction signal for operating the lamp of the specific object-attached radio communication tag.

[Claim 5.] The warehousing and shipping management system according to any one of claims 1 to 4, further comprising determining means configured to determine a work status using the location information of each of the object-attached radio communication tags and the location information of the operator's radio communication tag.

[Claim 6.] A warehousing and shipping management method performed by a computer of a warehousing and shipping management system, comprising:

storing first coded information contained in optical recognition codes attached to each of a plurality of objects and second coded information contained in object-attached radio communication tags attached to each of the plurality of objects;

acquiring the first coded information contained in the optical recognition code attached to a target object out of the plurality of objects;

automatically acquiring location information of each of the object-attached radio communication tags and location information of an operator's radio communication tag attached to an operator; and

associating the first coded information corresponding to the optical recognition code attached to the target object among the stored first coded information and the second coded information corresponding to the object-attached radio communication tag attached to the target object among the stored second coded information on the basis of the location information of each of the object-attached radio communication tags and the location information of the operator's radio communication tag when the first coded information was acquired.

[Claim 7.] A program executable by a computer of a warehousing and shipping management system, the program causing the computer to execute:

storing first coded information contained in optical recognition codes attached to each of a plurality of objects and second coded information contained in object-attached radio communication tags attached to each of the plurality of objects;

acquiring the first coded information contained in the optical recognition code attached to a target object out of the plurality of objects;

automatically acquiring location information of each of the object-attached radio communication tags and location information of an

operator’s radio communication tag attached to an operator; and

associating the first coded information corresponding to the optical recognition code attached to the target object among the stored first coded information and the second coded information corresponding to the object-attached radio communication tag attached to the target object among the stored second coded information on the basis of the location information of each of the object-attached radio communication tags and the location information of the operator’s radio communication tag when the first coded information was acquired.

[Claim 8] A warehousing and shipping management system comprising:

a coded information acquiring means configured to acquire first coded information contained in an optical recognition code attached to a target object out of a plurality of optical recognition codes, the optical recognition code being attached to each of a plurality of objects;

a location information acquiring means configured to automatically acquire location information of each of object-attached radio communication tags respectively attached to each of the plurality of objects and location information of an operator's radio communication tag attached to an operator; and

a processing means configured to associate the first coded information corresponding to the optical recognition code attached to the target object with second coded information corresponding to an object-attached radio communication tag attached to the target object and store in a memory unit on the basis of the location information of each of the object-attached radio communication tags and the location information of the operator's radio communication tag when the first coded information was acquired by the coded information acquiring means.

[Claim 9] A warehousing and shipping management device comprising:

a coded information acquiring unit configured to acquire first coded information contained in an optical recognition code attached to a target object out of a plurality of optical recognition codes, the optical recognition code being attached to each of a plurality of objects;

a location information acquiring unit configured to automatically acquire location information of each of object-attached radio communication tags respectively attached to each of the plurality of objects and location information of an operator's radio communication tag attached to an operator; and

a processing unit configured to associate the first coded information corresponding to the optical recognition code attached to the target object with second coded information corresponding to an object-attached radio communication tag attached to the target object and store in a memory unit on the basis of the location information of each of the object-attached radio communication tags and the location information of the operator's radio communication tag when the first coded information was acquired by the coded information acquiring unit.