

[Patent Document 1] PCT International Publication No. WO 2009/145007

[Patent Document 2] Japanese Unexamined Patent Application, First Publication No. 2008-097584

[Patent Document 3] Japanese Unexamined Patent Application, First Publication No. 2007-334703

[Non-Patent Documents]

[0004]

[Non-Patent Document 1] Kato Kazuki, and two others, "RFID multi-reader writer compatible with multiple frequencies and tag protocols", NEC Technical Report, Vol. 62 No. 4, 2009, p. 72-75

DISCLOSURE OF THE INVENTION

Problem to be Solved by the Invention

[0005]

In the case of using an RFID tag that transmits an ID with a new frequency in place of an RFID tag that has been used, it is desirable to be able to easily write the information recorded in the RFID tag that has been used, to the new RFID tag.

[0006]

Embodiments of the present invention seek to provide a tag management device, a tag management method, and a program that solve the above problem.

Means for Solving the Problem

[0007]

A tag management device according to a first exemplary aspect of the present invention includes: a signal detection unit that detects a signal which is transmitted from a

first tag and which includes data stored in the first tag, and detects a signal which is transmitted from a second tag and which includes data stored in the second tag, the second tag being different from the first tag; and a write unit that writes, in the second tag, data based on the data stored in the first tag.

[0008]

A tag management method according to a second exemplary aspect of the present invention includes: detecting a signal which is transmitted from a first tag and which includes data stored in the first tag; detecting a signal which is transmitted from a second tag and which includes data stored in the second tag, the second tag being different from the first tag; and writing, in the second tag, data based on the data stored in the first tag.

[0009]

Moreover, a computer-readable medium according to a third exemplary aspect of the present invention stores a program which causes a computer to execute: detecting a signal which is transmitted from a first tag and which includes data stored in the first tag; detecting a signal which is transmitted from a second tag and which includes data stored in the second tag, the second tag being different from the first tag; and writing, in the second tag, data based on the data stored in the first tag.

Effect of the Invention

[0010]

According to an exemplary embodiment of the present invention, it is possible to easily write the information recorded in the RFID tag that has been used, to the new RFID tag.

BRIEF DESCRIPTION OF THE DRAWINGS

signal newly transmitted from the second tag matches the data stored in the first tag, the warning information output unit outputting warning information in case where the warning information output unit determines that the data included in the signal newly transmitted from the second tag matches the data stored in the first tag.

5. The tag management device according to any one of claims 1 to 4, wherein the writing unit converts the data stored in the first tag, and writes the converted data in the second tag.

6. The tag management device according to any one of claims 1 to 5, further comprising:
a tag judgment unit that judges whether a judgement target tag is a tag of a data reading source or a tag of a data writing destination.

7. The tag management device according to claim 6, wherein the tag judgment unit judges whether the judgement subject tag is a tag of a data reading source or a tag of a data writing destination, based on a frequency of a signal transmitted from the judgement subject tag.

8. The tag management device according to claim 6, wherein the tag judgment unit judges whether the judgement subject tag is a tag of a data reading source or a tag of a data writing destination, based on a content of data included in a signal transmitted from the judgement subject tag.

9. A tag management method comprising:

detecting a signal which is transmitted from a first tag and which includes data stored in the first tag;

detecting a signal which is transmitted from a second tag and which includes data stored in the second tag, the second tag being different from the first tag; and

writing, in the second tag, data based on the data stored in the first tag.

10. A computer-readable medium storing a program which causes a computer to execute:

detecting a signal which is transmitted from a first tag and which includes data stored in the first tag;

detecting a signal which is transmitted from a second tag and which includes data stored in the second tag, the second tag being different from the first tag; and

writing, in the second tag, data based on the data stored in the first tag.