

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; a write unit that writes, in the second tag, data based on the data stored in the first tag; and a warning information output unit that determines whether data included in a signal newly transmitted from the second tag matches the data stored in the first tag, the warning information output unit outputting warning information in a 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, the warning information being information indicating that writing of the data of the first tag to the second tag has already been completed.

[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; writing, in the second tag, data based on the data stored in the first tag; determining whether data included in a signal newly transmitted from the second tag matches the data stored in the first tag; and outputting warning information in a case where it has been determined that the data included in the signal newly transmitted from the second tag matches the data stored in the first tag, the warning information being information indicating that writing of the data of the first tag to the second tag has already been completed.

[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; writing, in the second tag, data based on the data stored in the first tag; determining whether data included in a signal newly transmitted from the second tag matches the data stored in the first tag; and outputting warning information in a case where it has been determined that the data included in the signal newly transmitted from the second tag matches the data stored in the first tag, the warning information being information indicating that writing of the data of the first tag to the second tag has already been completed.

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

Claims

1. A tag management device comprising:
 - 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;
 - a write unit that writes, in the second tag, data based on the data stored in the first tag;
 - and
 - a warning information output unit that determines whether data included in a signal newly transmitted from the second tag matches the data stored in the first tag, the warning information output unit outputting warning information in a 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, the warning information being information indicating that writing of the data of the first tag to the second tag has already been completed.
2. The tag management device according to claim 1,
 - wherein the signal transmitted from the first tag is a signal of a first frequency,
 - the signal transmitted from the second tag is a signal of a second frequency that is different from the first frequency, and
 - the signal detection unit detects the signal of the first frequency that is transmitted from the first tag, and detects the signal of the second frequency that is transmitted from the second tag.
3. The tag management device according to claim 1 or 2, further comprising:
 - a tag information output unit that displays at least one of the data stored in the first tag and the data stored in the second tag.

4. The tag management device according to any one of claims 1 to 3, wherein the writing unit converts the data stored in the first tag, and writes the converted data in the second tag.
5. The tag management device according to any one of claims 1 to 4, 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.
6. The tag management device according to claim 5, 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.
7. The tag management device according to claim 5, 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.

8. 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;

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

determining whether data included in a signal newly transmitted from the second tag matches the data stored in the first tag; and

outputting warning information in a case where it has been determined that the data included in the signal newly transmitted from the second tag matches the data stored in the first tag, the warning information being information indicating that writing of the data of the first tag to the second tag has already been completed.

9. A computer-readable recording 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;

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

determining whether data included in a signal newly transmitted from the second tag matches the data stored in the first tag; and

outputting warning information in a case where it has been determined that the data included in the signal newly transmitted from the second tag matches the data stored in the first tag, the warning information being information indicating that writing of the data of the first tag to the second tag has already been completed.