CLAIMS

1. A management apparatus configured to manage a CO_2 emission amount to be emitted by producing a product, the management apparatus characterized by comprising:

a storage device storing a first CO_2 emission amount that is a CO_2 emission amount per unit weight of a first raw material and a second CO_2 emission amount that is a CO_2 emission amount per unit weight of a second raw material; and

a control device configured to calculate the CO_2 emission amount of the product, wherein

the product is produced in a predetermined lot unit including a predetermined number of products by using the first raw material and the second raw material that are the same kind of raw materials,

the first raw material is not a recycled product produced by recycling, and

the second raw material is the recycled product;

wherein the second CO_2 emission amount is calculated based on an amount of energy required to produce the second raw material by recycling,

wherein the control device is further configured to:

calculate, based on the first CO_2 emission amount and a weight of the first raw material used for production of the predetermined lot, a third CO_2 emission amount that is a CO_2 emission amount of the first raw material used for production of the predetermined lot;

calculate, based on the second CO_2 emission amount and a weight of the second raw material used for production of the predetermined lot, a fourth CO_2 emission amount that is a CO_2 emission amount of the second raw material used for production of the predetermined lot;

add the third CO_2 emission amount and the fourth CO_2 emission amount to calculate a fifth CO_2 emission amount that is a total CO_2 emission amount of the first raw material and the second raw material used for production of the predetermined lot;

calculate, based on an amount of electric power consumed in production of the predetermined lot, a sixth CO_2 emission amount that is a CO_2 emission amount emitted in a

production line during production of the predetermined lot;

add the fifth CO_2 emission amount and the sixth CO_2 emission amount to calculate a seventh CO_2 emission amount that is a CO_2 emission amount emitted by production of the predetermined lot; and

calculate, by dividing the seventh CO_2 emission amount by the predetermined number, an eighth CO_2 emission amount that is a CO_2 emission amount per unit number of the product.

2. The management apparatus according to claim 1, wherein the control device is configured to calculate the second CO_2 emission amount as zero in a case where the recycling to produce the second raw material does not involve CO2 emission.

3. A management method for managing a CO_2 emission amount to be emitted by producing a product, the management method characterized by comprising:

reading out a first CO_2 emission amount that is a CO_2 emission amount per unit weight of a first raw material and a second CO_2 emission amount that is a CO_2 emission amount per unit weight of a second raw material; and

calculating the CO_2 emission amount of the product, wherein

the product is produced in a predetermined lot unit including a predetermined number of products by using the first raw material and the second raw material that are the same kind of raw materials,

the first raw material is not a recycled product produced by recycling, and

the second raw material is the recycled product;

wherein the second CO_2 emission amount is calculated based on an amount of energy required to produce the second raw material by recycling,

wherein the management method further comprising:

calculating, based on the first CO_2 emission amount and a weight of the first raw material used for production of the predetermined lot, a third CO_2 emission amount that is a CO_2 emission amount of the first raw material used for production of the predetermined lot;

calculating, based on the second CO_2 emission amount and a weight of the second raw material used for production of the predetermined lot, a fourth CO_2 emission amount that is a CO_2 emission amount of the second raw material used for production of the predetermined lot;

adding the third CO_2 emission amount and the fourth CO_2 emission amount to calculate a fifth CO_2 emission amount that is a total CO_2 emission amount of the first raw material and the second raw material used for production of the predetermined lot;

calculating, based on an amount of electric power consumed in production of the predetermined lot, a sixth CO_2 emission amount that is a CO_2 emission amount emitted in a production line during production of the predetermined lot;

adding the fifth CO_2 emission amount and the sixth CO_2 emission amount to calculate a seventh CO_2 emission amount that is a CO_2 emission amount emitted by production of the predetermined lot; and

calculating, by dividing the seventh CO_2 emission amount by the predetermined number, an eighth CO_2 emission amount that is a CO_2 emission amount per unit number of the product.