Claims

[Claim 1]

A refrigerator comprising:

a storage compartment configured to store food;

a light emitting portion capable of radiating visible light to an inside of the storage compartment; and

a control portion configured to control operation of the light emitting portion to alternately repeat a visible light radiation process of causing light including visible light to be radiated from the light emitting portion and a non-radiation process of causing the light including visible light not to be radiated from the light emitting portion;

the light emitting portion comprising:

a first light source configured to radiate light having a first wavelength of a visible light region as a central wavelength; and

a second light source configured to radiate light having a second wavelength of the visible light region different from the first wavelength as a central wavelength;

the control portion configured to control, in the visible light radiation process, the light emitting portion to perform a first radiation process of causing light to be radiated from both of the first light source and the second light source first and then a second radiation process of causing light to be radiated only from the first light source.

[Claim 2]

The refrigerator according to claim 1, wherein the first wavelength is between 500 nm and 700 nm including 500 nm and 700 nm.

[Claim 3]

The refrigerator according to claim 1 or 2, wherein the second wavelength is between 400 nm and 500 nm including 400 nm and 500 nm.

[Claim 4]

The refrigerator according to any one of claims 1 to 3, wherein the control portion controls the light emitting portion so that the visible light radiation process and the non-radiation process are alternately repeated in a cycle of twenty-four hours or shorter.

[Claim 5]

The refrigerator according to any one of claims 1 to 4, wherein duration time of the non-radiation process is equal to or shorter than a total sum of duration time of the first radiation process and duration time of the second radiation process.

[Claim 6]

The refrigerator according to any one of claims 1 to 5, wherein the duration time of the first radiation process is equal to or shorter than the duration time of the second radiation process.

[Claim 7]

The refrigerator according to any one of claims 1 to 6, further comprising:

a door capable of opening and closing the storage compartment;

and

detection means configured to detect opening and closing of the door; wherein

the control portion controls the light emitting portion to perform the non-radiation process in a time slot in which the number of times of opening and closing of the door detected by the detection means per predetermined reference time is equal to or smaller than a predetermined number of times.