CLAIMS

[Claim 1]

A refrigerator comprising:

a refrigerant circuit including a compressor, a radiator, a pressure reducer, and a cooler;

a cooling chamber in which the cooler is disposed;

at least one storage chamber cooled using the cooling air;

an air volume adjustment unit including a first damper provided in an air path between the cooling chamber and the storage chamber and configured to adjust a volume of the cooling air delivered from the cooling chamber to the storage chamber;

a temperature sensor configured to detect a temperature of the storage chamber; and

a controller configured to control the compressor and the air volume adjustment unit,

wherein the controller controls the compressor such that operation and stop of the compressor are alternately repeated, and

the first damper opens at a first opening degree that is not fully closed while the compressor is stopped, and opens at a second opening degree that is larger than the first opening degree when the compressor is activated.

[Claim 2]

The refrigerator of claim 1, further comprising

a freezer chamber disposed separately from the storage chamber and having a lower preset temperature than that of the storage chamber,

wherein the controller controls, based on a temperature of the freezer chamber, the compressor such that the operation and the stop of the compressor are alternately repeated.

[Claim 3]

The refrigerator of claim 2, further comprising

a second damper provided in an air path between the cooling chamber and the freezer chamber,

wherein the controller controls, at least while the compressor is stopped, the second damper to be fully closed.

[Claim 4]

The refrigerator of claim 2, wherein

the air volume adjustment unit is further configured to adjust the volume of the cooling air delivered from the cooling chamber to the freezer chamber, and

at least while the compressor is stopped, the controller variably controls the volume of the cooling air delivered to the freezer chamber based on the temperature of the freezer chamber.