CLAIMS

[Claim 1]

A refrigerator comprising:

a box including an outer casing constituting a shell, an inner casing disposed to define a first space with the outer casing and having an injection port for thermal insulator injection, and a thermal insulator filling the first space, the box having a storage space to store food; and

a partition including a partition body and a fastening portion fixing the partition body to the inner casing, the partition body having a second space inside and a partition aperture in a side thereof and dividing the storage space into a plurality of storage compartments for different temperature zones, wherein

the inner casing includes a mounting portion on which the fastening portion is mounted,

the mounting portion has a mounting aperture in a surface that faces the side of the partition body when the fastening portion is mounted on the mounting portion and the partition body is fixed to the inner casing,

the mounting aperture communicates with the first space, and

the partition body is mountable, in the inner casing, at a position where the partition aperture coincides with an upper part of the mounting aperture in side view of the inner casing or at a position where the partition aperture coincides with a lower part of the mounting aperture in side view of the inner casing.

[Claim 2]

The refrigerator of claim 1, wherein the fastening portion includes

an upper flange extending upward from the side of the partition body and

a lower flange extending downward from the side of the partition body.

[Claim 3]

The refrigerator of claim 2, wherein

the mounting portion includes an upper protrusion protruding from a side of the inner casing toward the storage space, a lower protrusion located below the upper

protrusion and protruding from the side of the inner casing toward the storage space, and a recess located between the upper protrusion and the lower protrusion, and

the upper flange and the lower flange are interposed between the upper protrusion and the lower protrusion.

[Claim 4]

The refrigerator of claim 3, wherein

the mounting portion is located in the side of the inner casing and extends in a front-rear direction of the box, and

the mounting aperture is one of a plurality of mounting apertures arranged in the recess.

[Claim 5]

The refrigerator of claim 4, wherein

the plurality of mounting apertures include a rear mounting aperture located adjacent to a rear of the inner casing, a front mounting aperture located closer to a front of the inner casing than the rear mounting aperture, and a plurality of intermediate mounting apertures located between the rear mounting aperture and the front mounting aperture, and

the rear and front mounting apertures each have a larger area than that of each of the plurality of intermediate mounting apertures.

[Claim 6]

The refrigerator of any one of claims 2 to 5, wherein

the partition is a first partition that is mounted in the inner casing such that the partition aperture is aligned with the upper part of the mounting aperture, and

the mounting aperture is partly closed by the lower flange included in the fastening portion of the first partition and the side of the partition body of the first partition mounted in the inner casing.

[Claim 7]

The refrigerator of claim 6, wherein

the partition is a second partition that is mounted in the inner casing such that the partition aperture is aligned with the lower part of the mounting aperture, and

the mounting aperture is partly closed by the upper flange included in the fastening portion of the second partition and the side of the partition body of the second partition mounted in the inner casing.

[Claim 8]

The refrigerator of claim 6, wherein

the partition body is fixed at a first position higher than a second position in the inner casing, and

the partition body divides the storage space into a freezer compartment and a vegetable compartment located below the freezer compartment.

[Claim 9]

The refrigerator of claim 7, wherein

the partition body is fixed at a second position lower than a first position in the inner casing, and

the partition body divides the storage space into a freezer compartment and a vegetable compartment located above the freezer compartment.

[Claim 10]

The refrigerator of any one of claims 2 to 9, wherein the upper flange and the lower flange of the partition are secured to the inner casing with a screw from a back side of the inner casing.

[Claim 11]

The refrigerator of any one of claims 1 to 10, wherein

a vacuum thermal insulator is disposed inside the second space of the partition body, and the vacuum thermal insulator is stuck on an inner surface of a lower side of the partition body with an adhesive element.