Claims

[Claim 1]

A cleaning basket used for at least one of cleaning and drying of polycrystalline silicon in a state in which the polycrystalline silicon is accommodated in the cleaning basket, the cleaning basket comprising:

a bottom plate provided with a plurality of through holes formed therein;

oblique plates each of which has an inner surface that makes, with an upper surface of the bottom plate, an angle of not less than 10° and not more than 80°, the oblique plates each being connected to the bottom plate and inclining in an upward and outward direction and each being provided with a plurality of through holes formed therein; and

side plates which are connected to the oblique plates and which extend in an upward direction,

the bottom plate, the oblique plates, and the side plates forming an accommodation space accommodating the polycrystalline silicon,

a bottom-plate aperture ratio of the bottom plate being not smaller than an oblique-plate aperture ratio of each of the oblique plates, the bottom-plate aperture ratio being a ratio of a total of aperture areas of the plurality of through holes provided in the bottom plate relative to an area of the upper surface of the bottom plate, the oblique-plate aperture ratio being a ratio of a total of aperture areas of the plurality of through holes provided in each of the oblique plates relative to an area of an inner surface of each of the oblique plates,

wherein the side plates, as well as the bottom plate and the oblique plates, are each provided with a plurality of through holes formed therein.

[Claim 2]

The cleaning basket according to claim 1, wherein the through holes provided in the bottom plate are long holes extending in a long-axis direction.

[Claim 3]

The cleaning basket according to claim 1, wherein the oblique-plate aperture ratio is not smaller than a side-plate aperture ratio, which is a ratio of a total of aperture areas of the plurality of through holes provided in each of the side plates, relative to an area of an inner surface of each of the side plates.

[Claim 4]

The cleaning basket according to any one of claims 1 to 3, wherein the bottom-plate aperture ratio is not less than 10% and not more than 50%.

[Claim 5]

The cleaning basket according to any one of claims 1 to 4, wherein the oblique-plate aperture ratio is not less than 60% and not more than 100% of the bottom-plate aperture ratio.

[Claim 6]

The cleaning basket according to claim 3, wherein the side-plate aperture ratio is not less than 10% and not more than 60% of the bottom-plate aperture ratio.

[Claim 7]

The cleaning basket according to any one of claims 1to 6, wherein:

the plurality of through holes provided in the bottom plate cause the upper surface of the bottom plate and a surface of the bottom plate opposite to the upper surface of the bottom plate to communicate with each other; and

a distance between the upper surface of the bottom plate and the surface of the bottom plate opposite to the upper

surface of the bottom plate is not less than 1 mm and not more than 8 mm.

[Claim 8]

The cleaning basket according to any one of claims 1to 7, wherein:

the bottom plate has a lower surface provided with recesses each forming a space that extends upwards from the lower surface of the bottom plate; and

the recesses each have an upper surface provided with a plurality of through holes formed therein, the plurality of through holes causing the upper surface of the recess and the upper surface of the bottom plate to communicate with each other.