

Abstract

[Problem to be Solved]

To provide a semiconductor wafer container

[Solution]

A semiconductor wafer container including two outer shells in a substantially flat and identical form, each outer shell vertically overlapping so as to accommodate a single semiconductor wafer therein,

wherein the outer shell has a wafer retaining device and an external wall forming device in addition to a main body of the outer shell,

wherein the wafer retaining device accommodates and fixedly holds the wafer in such a manner that upper and bottom surfaces of the wafer are not substantially in contact with the outer shells, the wafer retaining device including: an inclined surface formed on an upper surface of the outer shell and being in line contact with an outer peripheral edge of the wafer from below; a wafer contact surface formed on a bottom surface of the outer shell and being in surface contact with the outer peripheral edge of the wafer from above; and a shallow gap portion formed on each central region of both the upper and bottom surfaces of the outer shell so as to cover an upper part or a lower part of the wafer; and

wherein the external wall forming device has a hanging portion formed on an outer peripheral edge of the bottom surface of the outer shell so as to externally constitute a closed external wall relative to the wafer when each outer shell vertically overlaps to store the wafer.

[Selected Figure]

FIG. 1