ABSTRACT

~~A box body assembly (100) and a refrigeration apparatus. The box body assembly (100) comprises a box body (11), a door body (12) blocking an opening of the box body, and a hinge assembly (13), wherein the door body (12) is provided, on a pivot side, with an inner edge (122), an outer edge (121), a first reference plane and a second reference plane; when the door body (12) is in a closed state, the first reference plane passes through the inner edge (122) and is parallel to a plane on which the opening is located, and the second reference plane passes through the outer edge (121) and is perpendicular to the plane on which the opening is located; and when the door body (12) is opened to a first angle relative to the box body (11) from the closed state, the inner edge (122) moves towards the side of the second reference plane facing the opening, the outer edge (121) moves towards the first reference plane, the radius of curvature of the track of the inner edge (122) is not less than 100 t, the distance of the inner edge extending beyond the side of the first reference plane that faces the opening is not greater than a first distance, the radius of curvature of the track of the outer edge (121) is not less than 5 t, and the distance of the outer edge extending beyond the side of the second reference plane that is away from the opening is not greater than a second distance, t being the thickness of the door body (12). By means of the box body assembly, the problem of the door body pressing against the box body (11) and extending beyond a side surface of the box body assembly (100), when the door body (12) is opened, can be eliminated.~~ Disclosed are a case assembly and a refrigeration device. The case assembly includes a case, a door, and a hinge assembly; the door has an outer edge and an inner edge; during the door moves from a closed state to a first opening angle, the outer edge moves toward a first reference plane along a first outer-edge trajectory, and the inner edge moves toward a second reference plane along a first inner-edge trajectory; the first outer-edge trajectory has a radius of curvature greater than or equal to 5t, and a distance exceeding the second reference plane is less than or equal to a first predetermined distance; the first inner-edge trajectory has a radius of curvature greater than or equal to 100t, and a distance exceeding the first reference plane is less than or equal to a second predetermined distance; t is a thickness of the door.

Fig. 4