

ABSTRACT

STORAGE AND DISCHARGE DEVICE

5 A storage and discharge device including: a rotating drum; an introduction pipe configured to introduce a solid into the rotating drum together with air; and an exhaust part, wherein the exhaust part (5) includes: an exhaust pipe (20) formed in a cylindrical shape at an outer side of the introduction pipe (4) in a radial direction and connected to a negative pressure source; a tubular net (21) having a plurality of ventilation holes (22);
10 and a seal mechanism configured to seal the exhaust pipe (20) and the rotating drum, and the tubular net (21) includes a rear end surface; a tubular-shaped tubular part (24) connected to the rear end surface; a front end surface (25); a tapered part (26) configured to connect an end portion of the tubular part (24) at an axial downstream side (Da2) and an end portion of an outer side of the front end surface (25) in a radial direction and
15 gradually narrowed toward the axial downstream side (Da2); and a blocking part (38) configured to block a tapered portion of a range of 180 to 270° with respect to a lower end of the tapered part (26) in a rotational direction of the rotating drum is provided.

(Fig. 1)