

[ABSTRACT]

STORAGE/DISCHARGE DEVICE

Provided is a storage and discharge device 1 which includes a rotating drum (3)
5 which has a feed blade (7) therein and axially transports an object to be treated by
rotation; a pipe (4) in which at least a part of an outer circumferential surface is formed in
a cylindrical shape and is coaxially inserted from an end wall on the axially upstream
side of the rotating drum (3) in the transport direction to introduce a solid along with the
air flow into the rotating drum (3); a seal mechanism (29) configured to seal between the
10 pipe (4) and the rotating drum (3); and a separation device (5) configured to separate the
solid from the air flow. The separation device (5) has an introduction passage (20)
provided in the pipe (4) to introduce the air flow and the solid into the rotating drum (4),
and an exhaust passage (21) provided in the pipe (43), connected to the introduction
passage (20) via a separation plate (20), and connecting the interior of the rotating drum
15 (3) to a negative pressure source (2).

(Fig. 1)