

ABSTRACT

Title of Invention

ASH EXTRUSION DEVICE AND METHOD FOR REMODELING ASH

This ash extrusion device (1) includes: a cooling tank (2) comprising an introduction port (21) and a discharge port (22) for incinerated ash; a scraper (3) for extruding incinerated ash inside the cooling tank (2); and a drive device (4) for driving the scraper (3), wherein the bottom surface (23) of the cooling tank (2) has a first inclined surface (23a) and a second inclined surface (23b), stored water is stored at a predetermined water level, and the drive device (4) reciprocates the scraper (3) along the bottom surface (23). The ash extrusion device has first piping (5) disposed at a position which is above the second inclined surface (23b) and does not contact the scraper (3) and an arm (41). The first piping (5) has one end (5a) disposed below the predetermined water level, and said one end (5a) comprises a first jetting port (50) which jets gas introduced from the other end (5b) to a region between the second inclined surface (23b) and the scraper (3). The bubbles, from the gas and the water flow of the stored water, generated by the gas jetted from the first jetting port (50) stir return ash attempting to accumulate on the

second inclined surface (23b) side.

(Fig. 1)