

ABSTRACT

ASH DISCHARGER AND METHOD FOR MODIFYING ASH
DISCHARGER

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The ash discharger (1) includes a cooling basin (6), a scraper (8), a driving device (9), a water level gauge (10), a No.1 pouring pipe (20), a No.1 gas vent pipe (17), and a No.1 spray nozzle (21).

10 The No.1 gas vent pipe (17) has a shape that continuously rises from a drive chamber (7) toward a ash chute (2) or a shape that continuously rises from the drive chamber (7) toward the ash chute (2) and then continuously descends toward the ash chute (2).

15 The No.1 spray nozzle (21) is arranged close to the highest portion of the No.1 gas vent pipe (17) and is connected to a first end of the No.1 pouring pipe (20). The No.1 pouring pipe (20) increases stored water in the cooling basin (6) on the basis of the
20 water level detected by the water level gauge (10).

(FIG. 1)