

COMBUSTION DEVICE, COMBUSTION METHOD, AND MEMORY MEDIUM

ABSTRACT

A circulating fluidized bed (CFB) boiler is a combustion device that charges a fuel into a furnace 11 to burn the fuel, the CFB boiler including: a fuel supply unit 14 including a fuel feed port 14I through which the fuel is supplied and a fuel charging port 14O through which the fuel is charged into the furnace 11; state quantity acquisition units 81, 82, and 83 that acquire a state quantity representing a state in the fuel supply unit 14 between the fuel feed port 14I and the fuel charging port 14O; and an automatic gate valve 7A that opens and closes the fuel feed port 14I in accordance with the state quantity. The CFB boiler further includes a fluid flow unit 9 that causes a fluid to flow toward the fuel charging port 14O in the fuel supply unit 14, and the state quantity is at least one of a pressure and a flow rate of the fluid.

Figure 2