

COMBUSTION DEVICE, COMBUSTION METHOD, AND COMBUSTION PROGRAM

ABSTRACT

A circulating fluidized bed (CFB) boiler is a combustion device that supplies a fuel into a furnace 11 in which a fluid material containing silica (SiO_2) flows and that combusts the fuel, the combustion device including: a combustion ash measurement unit 81 that measures combustion ash generated by combustion in the furnace 11; and a metal ratio estimation unit 83 that estimates a ratio of an alkaline earth metal (magnesium, calcium, or the like) and/or an earth metal (aluminum or the like) to an alkali metal (sodium, potassium, or the like) in the furnace 11 based on a measurement result of the combustion ash measurement unit 81.

Figure 1