

Abstract



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A burner apparatus relating to the present invention comprises a burner apparatus including a plurality of combustion channels (A1, A2) in which fuel (G) is supplied to air (A) communicated therein and the resultant fuel-air mixture is supplied to a combusting section (15) to be combusted therein. Each combustion channel (A1, A2) includes a supplying portion (5, 7) for supplying the fuel. A supplying passage (6) is provided between the respective combustion channels (A1, A2), the passage (6) being configured for receiving a portion of the fuel (G) supplied through the supplying portion (7) to the one fuel combustion channel (A2) and then supplying this to the supplying portion of the next-stage combustion channel (A1) only when the flow amount of the fuel from the supplying portion (7) is above a predetermined critical flow amount. Combustion load adjusting means (20) is provided for adjusting combustion load through adjustment of a total supply amount of the fuel (G) so that the flow amount of the fuel (G) from the supplying portion (7) may be contained within a range encompassing said predetermined critical flow amount.

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