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Abstract

Object

A combustion state of matter to be combusted is appropriately controlled according to a distribution state of the matter to be combusted that is uncombusted in a transfer direction, the matter to be combusted that is uncombusted being transferred by the stoker.

Solving Means

A stoker incinerator 100 is provided that includes an incinerator main body 10, a waste feeding unit 20 that feeds waste 200 to the incinerator main body, a stoker 30 transferring, in a transfer direction TD, the waste 200 fed to the incinerator main body 10 by the waste feeding unit 20, a primary air supply unit 40 and a secondary air supply unit 50 that supply combustion air to the incinerator main body 10, a distribution state detecting sensor 60 that detects a distribution state of the waste 200 that is uncombusted in the transfer direction TD, the waste 200 that is uncombusted being transferred by the stoker 30, and a control unit 70 that controls the primary air supply unit 40 and the secondary air supply unit 50 based on the distribution state detected such that a larger amount of the combustion air is supplied to a first predetermined region than to other regions, the first predetermined region being a region where a larger amount of the waste 200 that is uncombusted is present in the transfer direction TD than in the other regions.

[Selected drawing] FIG. 1

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