

ABSTRACT

Problem to be Solved

To provide a method of waste melting treatment which can reduce the quantity consumed of coal coke for use in a vertical type waste melting furnace to cut the carbon dioxide emission amount, and suppress the cost for operating the waste melting furnace from being increased; and which allows the combustion heat of the volatile components possessed by a biomass raw material to be effectively used, and more stable operation to be made.

Solution

A method of waste melting treatment performed by charging waste into a waste melting furnace 1, thermally decomposing and burning the waste, and melting a pyrolysis combustion residue charges coal coke and a biomass molded article produced by heating a biomass raw material at a temperature lower than the carbonization temperature thereof, while pressure molding it; forms a high temperature fire grate with the coal coke in a lower section of the melting furnace; and burns the coal coke and the biomass molded article to provide a melting heat source.