

Title (en)
WASTE-MELTING METHOD

Title (de)
ABFALLSCHMELZVERFAHREN

Title (fr)
PROCÉDÉ DE FUSION DE DÉCHETS

Publication
EP 2716970 A1 20140409 (EN)

Application
EP 12789883 A 20120523

Priority
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• JP 2012063116 W 20120523

Abstract (en)
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.

IPC 8 full level
F23G 5/24 (2006.01)

CPC (source: EP US)
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