

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  
• JP 2011114446 A 20110523  
• 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)  
**F23G 5/027** (2013.01 - US); **F23G 5/0276** (2013.01 - EP US); **F23G 5/08** (2013.01 - US); **F23G 5/165** (2013.01 - EP US); **F23G 5/24** (2013.01 - EP US); **F23G 5/444** (2013.01 - US); **F23G 2202/20** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2716970 A1 20140409**; **EP 2716970 A4 20141105**; **EP 2716970 B1 20190206**; AU 2012259853 A1 20131114; AU 2012259853 B2 20160512; CN 103765102 A 20140430; CN 103765102 B 20150415; JP 5458219 B2 20140402; JP WO2012161203 A1 20140731; MX 2013013639 A 20140709; US 2014202364 A1 20140724; WO 2012161203 A1 20121129

DOCDB simple family (application)  
**EP 12789883 A 20120523**; AU 2012259853 A 20120523; CN 201280024688 A 20120523; JP 2012063116 W 20120523; JP 2013516389 A 20120523; MX 2013013639 A 20120523; US 201214119108 A 20120523