DESCRIPTION

WASTE GASIFICATION ~~AND~~ MELTING FURNACE

Field

[0001]

The present invention relates to a waste gasification melting furnace that dries and pyrolyzes wastes charged through an upper portion of the furnace, further melts pyrolysis residues, and collects melting residues from a furnace bottom portion.

Background

[0002]

Examples of a method for treating a waste such as a general waste or an industrial waste may include a method with which a waste is melted in an industrial furnace by using a carbon-based solid fuel such as cokes as a melting heat source. The waste treatment by means of melting is advantageous not only in that the volume of wastes can be reduced but also in that incinerated ashes or non-combustible wastes, which previously would have been finally disposed by landfill, can be transformed to slags and metals for recycling.

[0003]

A known facility for melting wastes is a shaft type gasification melting furnace (see Patent Literature 1 and Patent Literature 2, for example). The waste gasification melting furnaces disclosed