

Title (en)

GASIFICATION MELTING EQUIPMENT AND METHOD FOR SUPPLYING COMBUSTION AIR TO MELTING FURNACE OF GASIFICATION MELTING EQUIPMENT

Title (de)

GASIFIZIERUNGSSCHMELZGERÄT UND VERFAHREN ZUR VERSORGUNG VON VERBRENNUNGSLUFT ZU EINEM SCHMELZÖFEN VON GASIFIZIERUNGSSCHMELZGERÄTEN

Title (fr)

APPAREIL DE FUSION DE GAZÉFICATION ET PROCÉDÉ D'ALIMENTATION EN AIR DE COMBUSTION D'UN FOUR DE FUSION D'UN ÉQUIPEMENT DE CARBURANT À GAZÉFICATION

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Application

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Priority

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Abstract (en)

An object of the present invention is to provide gasification melting equipment and a method for supplying combustion air to a melting furnace of gasification melting equipment, with which clinker is prevented from sticking to an upper inner wall of a primary combustion chamber of a melting furnace. The gasification melting equipment 10 comprises a gasification furnace 20, a melting furnace 30 that combusts a pyrolysis gas contained in the produced gas and converts ash into a molten slag, and a gas duct 40 that leads the produced gas in the gasification furnace 20 to a produced gas introduction port of the melting furnace 30. The produced gas introduction port of the melting furnace 30 is provided to an upper side wall of a primary combustion chamber 31 thereof. The gas duct 40 is provided with first combustion air supply nozzles 41a to 41c and 42a to 42c that supply at least 70% of the combustion air out of the total amount of combustion air for the primary combustion chamber of the melting furnace 30, at positions near the produced gas introduction port.

IPC 8 full level

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