

Title (en)

Operating method and operation control apparatus for gasification-melting furnace

Title (de)

Betriebsverfahren und Steuervorrichtung für Vergasungsschmelzöfen

Title (fr)

Procédé de fonctionnement et appareil de commande pour un four de gazéification à fusion

Publication

EP 2322855 B1 20160413 (EN)

Application

EP 11001719 A 20070831

Priority

- EP 07806476 A 20070831
- JP 2006260083 A 20060926
- JP 2007050892 A 20070301
- JP 2007141664 A 20070529

Abstract (en)

[origin: EP2068081A1] [PROBLEMS] 1. To realize high-efficiency operation of a gasification-melting furnace by rest of an auxiliary burner while avoiding abnormal combustion of unburned gas in reignition of the auxiliary burner. 2. To facilitate a proper adjustment of the basicity without a special analyzer for a slag composition in operation of a gasification-melting furnace. [MEANS TO SOLVE PROBLEMS] 1. The burner in the gasification-melting furnace is stopped when operation state thereof satisfies a specific condition. Thereafter, at a point in time when the temperature in the vicinity of the burner is lowered to a predetermined temperature, the supply of a waste material from a dust feeder to the gasification furnace is stopped. After this increases the concentration of oxygen in gas in outlet of the gasification furnace, the burner is reignited. 2. The basicity of slag discharged from a slag-discharge port in the melting furnace is adjusted by supply of a basicity adjuster from a basicity adjuster supplying apparatus. To determine an amount of the supply, utilized is a correlation between a parameter corresponding to the calorific value of the waste material per unit weight and the slag basicity.

IPC 8 full level

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CPC (source: EP KR)

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