

Title (en)

WASTE-GASIFIED FUSION FURNACE AND METHOD OF OPERATING THE FUSION FURNACE

Title (de)

ABFALLVERGASUNGSSCHMELZOFEN UND VERFAHREN ZU SEINEM BETRIEB

Title (fr)

FOUR DE FUSION A GAZEIFICATION DE DECHETS ET PROCEDE DE FONCTIONNEMENT DE CE FOUR DE FUSION

Publication

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Application

EP 01961244 A 20010831

Priority

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- JP 2000268857 A 20000905

Abstract (en)

A waste gasification-melting furnace comprises a gasifying furnace body 2 of a shaft furnace type, for drying and thermally decomposing waste sequentially supplied from above into the furnace 1 by using a high-temperature gas; and a melting chamber furnace 3 provided integrally with a lower end discharge port 2b of the gasifying furnace body 2, for receiving residue of the waste A resulting from pyrolysis, the melting chamber furnace 3 being provided with a heating and melting burner directed toward a slope of the residue, wherein the melting chamber furnace 3 is provided with a discharge port 6 through which molten substances containing molten slag and molten metal are discharged, and a gas feeding pipe 8 connected to a header duct 9, for feeding the high-temperature gas generated during heating and melting the residue inside the melting chamber furnace 3 to the gasifying furnace body 2. <IMAGE>

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