

Title (en)

SURFACE MELTING FURNACE AND METHOD FOR OPERATING A SURFACE MELTING FURNACE

Title (de)

OBERFLÄCHENSCHMELZOFEN UND VERFAHREN ZUM BETRIEB EINES OBERFLÄCHENSCHMELZOFENS

Title (fr)

FOUR DE FUSION EN SURFACE ET PROCÉDÉ DE FONCTIONNEMENT D'UN FOUR DE FUSION EN SURFACE

Publication

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Application

EP 15770414 A 20150327

Priority

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- JP 2015059547 W 20150327

Abstract (en)

[origin: EP3124864A1] In order to suppress the volatilization of phosphorus and improve melt treatment efficiency, a surface melting furnace 1 includes a furnace chamber 4, a treatment-target supply mechanism 8, and a edge portion of air-supply mechanism 20. The furnace chamber 4 includes auxiliary burners and air supply mechanisms 11 on the approximately center of its furnace ceiling 2, and has a slag port 3 a on its furnace bottom 3. The treatment-target supply mechanism 8 is configured to supply a treatment target to the furnace chamber 4 from a treatment-target container 7 disposed around the furnace chamber 4. The edge portion of air-supply mechanism 20 is configured to supply air toward the surface of the treatment target just having been put into the furnace chamber 4 by the treatment-target supply mechanism 8 to suppress reduction reactions of phosphorus oxides contained in combustible waste.

IPC 8 full level

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CPC (source: EP)

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