

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

EP 3124864 A1 20170201 (EN)

Application

EP 15770414 A 20150327

Priority

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- JP 2015059547 W 20150327

Abstract (en)

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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