

Title (en)

ARRANGEMENT FOR LOW-PRESSURE CASTING OF HIGH MELTING POINT METALS

Title (de)

ANORDNUNG FÜR DEN NIEDERDRUCKGUSS VON HOCHSCHMELZENDEN METALLEN

Title (fr)

AGENCEMENT DESTINÉ À LA COULÉE BASSE PRESSION DE MÉTAUX À POINT DE FUSION ÉLEVÉ

Publication

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Application

EP 20739274 A 20200623

Priority

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Abstract (en)

[origin: WO2020260245A1] The present invention relates to an arrangement for low-pressure casting of refractory metals having a furnace chamber having one or more gas supply (6) and gas outlet openings (7) and a riser pipe (8) through a cover (5) of the furnace chamber, a melting container (3, 12), arranged in a furnace chamber, for the refractory metals and a heating device for heating the refractory metals in the melting container (3, 12). In the arrangement according to the invention, the melting container (3, 12) is designed as an exchangeable insert for a receiving mold (2) supporting the melting container (3, 12), which receiving mold is arranged in the furnace chamber, wherein a thermally insulating layer (4, 17) is formed between the receiving mold (2) and the melting container (3, 12) or is integrated in the melting container (3, 12). By means of the arrangement according to the invention, a faster and simpler exchange of the melting container can occur for different alloys, including in the case of low-pressure casting of refractory metals.

IPC 8 full level

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