

Title (en)

USE OF A HEAT-INSULATING MOULDED BODY TO INSULATE MOLTEN METALS WITH RESPECT TO THE ENVIRONMENT, OR A METALLURGICAL VESSEL

Title (de)

VERWENDUNG EINES WÄRMEDÄMMENDEN FORMKÖRPERS ZUR ISOLATION VON METALLSCHMELZEN GEGENÜBER DER ATMOSPHERE ODER EINEM METALLURGISCHEN GEFÄSS

Title (fr)

UTILISATION D'UN CORPS MOULÉ THERMO-ISOLANT POUR L'ISOLATION DE MÉTAUX EN FUSION PAR RAPPORT À L'ATMOSPHERE OU À UN RÉCIPIENT MÉTALLIQUE

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Application

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Priority

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Abstract (en)

[origin: WO2018002096A1] The invention relates to the use of an unfired refractory moulded body (1) comprising a binder matrix (2) that contains at least one hardened permanent binder, and aggregate particles (3) comprising and/or consisting of biogenic silicic acid, preferably comprising and/or consisting of rice husk ash, which are integrated into the binder matrix (2), for the purpose of thermally insulating a molten metal, particularly a molten steel, and/or a metal ingot solidified out of the molten metal. The invention also relates to the use of the moulded body (1) to thermally insulate a refractory lining, particularly in multi-layer brick work or in a heat treatment furnace, or as an anti-corrosion barrier for example against alkali corrosion, or as a flame retardant lining or as a filter material for hot gases.

IPC 8 full level

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Citation (search report)

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