Title (en)

BOTTOM FOR A METALLURGICAL VESSEL WITH A DIRECT CURRENT ELECTRIC ARC DEVICE

Title (de)

BODEN EINES METALLURGISCHEN GEFÄSSES MIT EINER GLEICHSTROMLICHTBOGENEINRICHTUNG

Title (fr)

FOND D'UN RECIPIENT METALLURGIQUE DOTE D'UN DISPOSITIF A ARC COURANT CONTINU

Publication

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Application

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Priority

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Abstract (en)

[origin: US6485675B1] A base of a metallurgical vessel having a direct-current arc device whose cathode projects into the vessel and in whose fire-resistant lining on the base at least one anode is arranged, one end of which, passing through the vessel wall, touches metallic melt located in the vessel, and the other end of which can be connected to cooling fluid supply sources and is attached in an electrically insulated manner to the vessel wall via holding elements. A sleeve is provided which does not conduct electric current, sheaths that part of the anode which projects into the metallurgical vessel and, in the process of forming an outlet channel, is arranged at a distance sufficiently far away from the anode that low-melting-point metals, mainly lead, can flow out of the vessel without being impeded.

IPC 1-7

H05B 7/00

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