

Title (en)

DEVICE FOR RENDERING INERT CASTING VESSELS FOR TRANSPORTING MOLTEN METALS.

Title (de)

VORRICHTUNG ZUM INERTISIEREN VON ABGIESSGEFÄSSEN FÜR DEN TRANSPORT VON SCHMELZFLÜSSIGEN METALLEN.

Title (fr)

DISPOSITIF D'INERTISATION DE CUVES DE COULEE POUR LE TRANSPORT DE METAUX EN FUSION.

Publication

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Application

**EP 91917467 A 19911015**

Priority

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- DE 4033482 A 19901020

Abstract (en)

[origin: WO9207099A1] A device for rendering inert casting vessels for transporting molten metals, such as movable ladles or transfer ladles, rinses with an inert gas the cavity of each casting vessel located under the outlet opening of a transfer station, before and during inflow of the molten metal, so that all contact is avoided between the surface of the molten metal in the casting vessel and the oxygen in the atmosphere. In the area of each outlet opening (7, 8) of a transfer station (2) is arranged at least an inert gas blast pipe (23, 24), so that it never intercepts the stream (9) of inflowing molten metal, that it is located outside the clearance profile of the casting vessel (10, 11) at least during its approach and departure, that ends before the opening (12) of the latter and that generates at its end facing the casting vessel (10, 11) an inert gas stream that enters the cavity (31) of the casting vessel (10, 11) next to the stream (9) of molten metal at an angle  $\theta$ (a) in relation to the vertical of more than 0 but less than 90.

IPC 1-7

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IPC 8 full level

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