

Title (en)

DEVICE FOR COOLING THE CHARGE PROTECTION LID OF ANNEALING FURNACES

Title (de)

VORRICHTUNG ZUM ABKÜHLEN DER CHARGENSCHUTZABDECKUNG VON GLÜHÖFEN

Title (fr)

DISPOSITIF DE REFROIDISSEMENT DU COUVERCLE DE PROTECTION DE LA CHARGE DANS DES FOURS A RECUIRE

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Application

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Abstract (en)

[origin: WO9520058A1] A device for cooling the charge protection lid (2) of annealing furnaces has a preferably hood-shaped cooling casing (4) that surrounds the protection lid (2). The cooling casing (4) is provided with fans (6) for sucking air through the intermediate space between the protection lid (2) and the cooling casing (4) as well as with a plurality of air passage openings (5) through which air is aspirated through the intermediate space between the protection lid (2) and the cooling casing (4). Through the air passage openings (5) air impact jets are directed against the protection lid (2) that lies in the impact area of said impact jets, as described in patent no. 396.525. A radial fan (3) is arranged in the protection cover (2) underneath a charge bearing (8). In order to reduce technical production and operation complexity of such a device, the air passage openings (5) of the cooling casing (4) through which air jets impact on the protection lid (2) above the charge bearing (8) are exclusively located in the lower third of the cooling casing (4).

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