

Title (en)

WATER-COOLED VESSEL FOR VACUUM PROCESSING OF LIQUID STEEL

Title (de)

MIT EINER WASSERKÜHLUNG VERSEHENES GEFÄSS FÜR DIE VAKUUMBEHANDLUNG VON FLÜSSIGEM STAHL

Title (fr)

CUVE A REFROIDISSEMENT A EAU POUR LE TRAITEMENT SOUS VIDE D'ACIER LIQUIDE

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Application

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Abstract (en)

[origin: US6638471B1] The invention relates to a process vessel for vacuum processing liquid steel, comprising a lower part, a middle part and an upper part, and submersible pipes located on the lower part, whereby the process vessel is provided with a heating apparatus, a feed device, and a waste gas connection arranged at a right angle to the central axis of the vessel, and whereby the process vessel has an outer metal jacket and a refractory lining arranged at least in part in the interior of the vessel, according to which the metal jacket (19) of the upper part (15) of the vessel, including the waste gas connection (16), is provided with a water-cooling device (23) and is exposed directly on the interior side to the process conditions prevailing in the interior of the vessel (10).

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