

Title (en)

APPARATUS AND METHOD FOR REMOVING GAS FROM A CONTAINER

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ENTNEHMEN VON GAS AUS EINEM BEHÄLTER

Title (fr)

DISPOSITIF ET PROCÉDÉ DE PRÉLÈVEMENT DE GAZ HORS D'UN CONTENANT

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Application

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Abstract (en)

[origin: WO2009109505A1] The invention relates to a method and an apparatus for removing gas from a container in which the gas is stored in the liquid phase. For the removal of the gas, the most commonly used methods today include air vaporizers, wherein the danger of icing exists, however. According to the invention, the gas in the fluid state comes to an evaporation heat exchanger in which the gas is vaporized with a heat exchange medium. Also, the gas, which is at least partially vaporized in the evaporation heat exchanger is used to evaporate the fluid gas after further heating in a second heat exchanger or a heating device. The fluidized gas thus no longer comes into thermal contact, or only partially so, with ambient air. The risk of icing of the evaporation heat exchanger is thus significantly reduced.

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