

Title (en)

METHOD AND APPARATUS FOR DESUBLIMATION PREVENTION IN A DIRECT CONTACT HEAT EXCHANGER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERHINDERUNG VON DESUBLIMATION BEI EINEM DIREKTKONTAKT-WÄRMETAUSCHER

Title (fr)

PROCÉDÉ ET APPAREIL PERMETTANT DE PRÉVENIR LA DÉSUBLIMATION DANS UN ÉCHANGEUR DE CHALEUR À CONTACT DIRECT

Publication

**EP 3568504 A4 20210106 (EN)**

Application

**EP 18739173 A 20180115**

Priority

- US 201715406928 A 20170116
- US 201715406863 A 20170116
- US 2018013709 W 20180115

Abstract (en)

[origin: WO2018132788A1] A method and device are disclosed herein for distributing a gas into a vessel. The method and device utilize a gas distribution apparatus, which has an exposed surface including a material that is chemically repulsive to the gas and the solid form of the gas. In this way adsorption of the gas and deposition of the solid form of the gas are inhibited. The gas distribution apparatus also contains holes with a non-cylindrical shape. Consequently, desublimation of the gas and deposition of the solid form of the gas onto the exposed surface is inhibited.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [Y] EP 1595974 A2 20051116 - APPLIED MATERIALS INC [US]
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- See references of WO 2018132788A1

Designated contracting state (EPC)

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