

Title (en)

DEVICE FOR COATING CONTAINERS WITH A BARRIER LAYER, AND METHOD FOR HEATING A CONTAINER

Title (de)

VORRICHTUNG ZUM BESCHICHTEN VON BEHÄLTERN MIT EINER BARRIERESCHICHT UND VERFAHREN ZUR HEIZUNG EINES BEHÄLTERS

Title (fr)

DISPOSITIF DESTINÉ À RECOUVRIR DES RÉCIPIENTS D'UNE COUCHE DE BARRIÈRE ET PROCÉDÉ DE CHAUFFAGE D'UN RÉCIPIENT

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Application

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Abstract (en)

[origin: WO2019243378A1] The present invention relates to a device for coating containers with a barrier layer having at least one plasma chamber, which encloses at least one treatment space, in which at least one container with a container interior can be inserted and can be positioned in the treatment space, wherein a gas lance is provided which can be introduced into the container interior and which further acts as a microwave antenna, with the plasma chamber being designed to be capable at least of partial evacuation and being designed to fill the container interior at least partially with a plasma and a process gas. According to the invention, the device is designed such that the container can be preheated by means of a plasma, more particularly by means of a microwave plasma, using a noble gas which can be introduced into the container interior through the gas lance. The present invention also relates to a method for heating a container by means of a device in which heat is supplied by means of a plasma in a pressure range of 1-25 mbar, preferably in a pressure range of 1-5 mbar or in a pressure range of 15-25 mbar, using a noble gas.

IPC 8 full level

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