

Title (en)

METHOD OF DRYING AND/OR CURING AN ORGANIC COATING ON A CONTINUOUSLY RUNNING METAL STRIP, AND DEVICE FOR IMPLEMENTING THIS METHOD

Title (de)

VERFAHREN ZUM TROCKNEN UND/ODER AUSHÄRTEN EINER ORGANISCHEN BESCHICHTUNG EINES KONTINUIERLICH LAUFENDEN METALLSTREIFENS, UND VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCÉDÉ DE SÉCHAGE ET/OU DE CUISSON D'UN REVÊTEMENT: ORGANIQUE SUR UNE BANDE MÉTALLIQUE EN DÉFILEMENT CONTINU, ET DISPOSITIF POUR LA MISE EN OEUVRE DE CE PROCÉDÉ

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Abstract (en)

[origin: WO2009136010A1] The present invention relates to a method of drying and/or curing an organic coating on a continuously running metal strip (2), which comprises the heating of the strip (2) by electromagnetic induction in a tunnel oven (1), comprising an enclosure (11) with hot internal walls (12), and the heating of the enclosure (11). According to the invention, the heating of the strip (2) by electromagnetic induction is coupled with heating by infrared radiation and heating by convection by means of a combustion gas, and the heating of the enclosure (11) of the oven (1) is performed by convection by means of the same combustion gas as that used for heating said strip (2) by convection. The present invention also relates to a facility (1) for implementing the method of the invention.

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