

Title (en)

METHOD FOR FORMING AN EXTRUSION-FOAMED PLASTIC LAYER AND AFTERTREATMENT DEVICE

Title (de)

VERFAHREN ZUR FORMUNG EINER EXTRUSIONSGESCHÄUMTEN KUNSTSTOFFLAGE UND NACHBEHANDLUNGSEINRICHTUNG

Title (fr)

PROCÉDÉ DE FORMAGE D'UNE COUCHE DE MATIÈRE PLASTIQUE EXPANSÉE PAR EXTRUSION ET SYSTÈME DE POST-TRAITEMENT

Publication

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Application

**EP 14821516 A 20141007**

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Abstract (en)

[origin: WO2015055471A1] The invention relates to a method for forming an extrusion-foamed plastic layer, wherein the plastic layer is first tempered in order to be at least partially plastically deformable. Vacuum is then exerted on the plastic layer and pulls apart in the thickness direction in terms of a plastic deformation. In addition to the exerting of vacuum, the plastic layer is optionally pressed to a desired thickness or optionally introduced into a mold. The preceding exerting of vacuum achieves a greater cell size homogeneity and the plastic layer according to the invention thus has a constant thickness after the pressing. The invention further relates to an aftertreatment device for carrying out the method. Said device first comprises a temperature control device (10) or temperature control zone for temperature control. At least one pair of opposing vacuum surfaces follow in the conveying direction (6), by means of which the plastic layer is pulled apart in the thickness direction. One or a plurality of pairs of opposing pressing surfaces for pressing the plastic layer optionally follow. The plastic layer (2) is then optionally cooled, such as by a liquid stream or by cooled rollers (40), preferably arranged in pairs, and/or the plastic layer can optionally be processed further in a finishing unit (50).

IPC 8 full level

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Citation (search report)

See references of WO 2015055471A1

Citation (examination)

US 3334169 A 19670801 - ERCEG JACK P, et al

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