

Title (en)

PROCESS AND LOW-OUTPUT PLANT FOR THE CONTINUOUS PRODUCTION OF SLAB-STOCK FOAM

Title (de)

VERFAHREN UND ANLAGE MIT NIEDRIGEM AUSGANG ZUR KONTINUIERLICHEN HERSTELLUNG VON SCHAUMSTOFFBLÖCKEN

Title (fr)

PROCEDE ET INSTALLATION A FAIBLE DEBIT POUR LA PRODUCTION CONTINUE DE PLAQUES DE MOUSSE

Publication

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Application

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Abstract (en)

[origin: WO9823429A2] A process and a low-output plant (10, 12, 13) for the continuous slab-stock foam. An MDI-based chemical component is mixed with a polyole and carbon dioxide (CO₂) and the frothed mixture is delivered on a substrate (11) moving toward a slab-stock cutting zone (16). The quantity of carbon dioxide (CO₂) is kept at a value greater than 1 %, preferably within 1.5 and 5 % in respect to the polyole component to have an intensive frothing avoiding underrunning of the foam. Changing formulation, the quantity of CO₂ is kept to a substantially constant value whereas water varies depending on the total expansion index and the required density of the foam. It is so possible to use a small sized and low-output plant pre-assembled in standard containers in the form of operative units, to produce foams of different densities.

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