

Title (en)
METHOD AND DEVICE FOR POLYMERISING BINDERS IN FIBROUS MATERIALS ESPECIALLY MINERAL WOOL INSULATION

Title (de)
VERFAHREN UND VORRICHTUNG ZUR POLYMERISATION VON BINDEMITELEIN IN FASRIGEN MATERIALIEN INSBESONDERE GLASWOLLE

Title (fr)
PROCEDE ET DISPOSITIF DE POLYMERISATION D'AGENTS DE LIAISON DANS DES MATERIAUX FIBREUX, NOTAMMENT DANS DE LA LAINE MINERALE D'ISOLATION

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Application
EP 95923332 A 19950616

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Abstract (en)
[origin: CA2168014A1] The invention concerns a method and a device for polymerising substances in fibrous materials, in particular binding agents in mineral wool materials for insulation purposes, wherein the fibrous material having a given thickness (d) is subjected to UV irradiation in order to polymerise the substance having the form of a prepolymer impregnating the fibres, said irradiation of the material is carried out at a sufficiently high intensity level (IUV) to bring about, at a maximum depth (d) of intended polymerisation, a residual intensity exceeding such threshold value at which polymerisation of the selected binding agent under the influence of UV radiation is ensured within a given time limit, such time limit, however, precluding any undesirable degradation, due to the effects of the radiation, of organic substances in the portion at the surface of said material, and wherein the duration of irradiating a given surface unit of said material is kept within said time limit.

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