

Title (en)

METHOD AND DEVICE FOR APPLYING PRETENSED TENSION-PROOF REINFORCING STRIPS TO A CONSTRUCTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUM APPLIZIEREN VON VORGESPANNTEN, ZUGFESTEN VERSTÄRKUNGSBÄNDERN AN BAUWERKEN

Title (fr)

PROCEDE ET DISPOSITIF POUR APPLIQUER DES BANDES DE RENFORCEMENT PRETENDUES, RESISTANT A LA TRACTION SUR DES CONSTRUCTIONS

Publication

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Application

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Abstract (en)

[origin: WO9943909A1] According to the invention, lamellar, fibre-reinforced plastic strips (9) can be used to reinforce a linearly expanded or flat construction part (7) having a support function against any bending stress to which it is exposed. These strips are usually applied to the construction (7) from the outside, or from the inside in the case of hollow structures, and fixed by means of an adhesive. The lamellar strips (9) are pretensed with the tensioning means (15, 16) of the tension device, treated with adhesive in a pretensed state, and then moved to the area to be treated together with the tension device. The tension device is provisionally fixed to the construction (7) with displaceable fixing devices (3) and pressed against said construction. Thereafter the lamellar strips (9) are pressed against the construction (7) by means of an air bag (6) or air hose until the adhesive has hardened.

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