

Title (en)

PROCESS AND DEVICE FOR APPLYING MULTI-COMPONENT RESINS, AND USE OF SUCH RESINS.

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUFTRAGEN VON MEHRKOMPONENTENHARZEN UND ANWENDUNGEN DERSELBEN.

Title (fr)

PROCEDE ET DISPOSITIF D'APPLICATION DE RESINES A COMPOSANTS MULTIPLES ET LEURS UTILISATIONS.

Publication

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Application

**EP 91900018 A 19901123**

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- DE 3941142 A 19891213
- DE 4014529 A 19900507
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- EP 9002007 W 19901123

Abstract (en)

[origin: WO9108056A1] In the process of the invention, multi-component resins are applied to porous, granular materials intended for subsequent consolidation. Application is carried out by feeding the components, physically separated from each other, under relatively high pressure, to a mixing chamber, mixing them by turbulent means in the mixing chamber, and applying the resulting mixture, at relatively low pressure, as a thin curtain in laminar flow to the material. The simplest form of the device of the invention comprises: a) separate feed lines for the components at relatively high pressure; b) a mixing chamber preferably designed as a static mixer; c) a fan spray nozzle working at relatively low pressure. The process and device are used to increase the sound-absorption and/or ease-of-cleaning characteristics of a railway track, to increase the cross-sliding resistance of railway sleepers on ballast, and to smooth the transition between a soft and hard railway track.

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