

Title (en)

USE OF LOW-TEMPERATURE FOAMABLE EPOXIDE RESINS IN HOLLOW CHAMBER STRUCTURES

Title (de)

VERWENDUNG VON BEI NIEDRIGEN TEMPERATUREN SCHÄUMBAREN EPOXIDHARZEN IN HOHLRAUMSTRUKTUREN

Title (fr)

UTILISATION DE RÉSINES ÉPOXYDE MOUSSABLES À BASSES TEMPÉRATURES DANS DES STRUCTURES CREUSES

Publication

EP 2473559 A1 20120711 (DE)

Application

EP 10740686 A 20100811

Priority

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- EP 2010061688 W 20100811

Abstract (en)

[origin: WO2011023552A1] The invention relates to a method for reinforcing a substrate having a hollow chamber structure or for fastening an insertion in such a substrate, wherein a one or two component foamable and curable preparation based on epoxide resin is introduced into a selected part of the hollow chamber structure that is to be reinforced, and the preparation is cured by heating to a temperature in the range of 20°C to 100°C or greater while foaming, wherein the preparation comprises at least one of the following components: a) at least one epoxide resin prepolymer having reactive epoxide groups, b) at least one organic ammonium carbamate, preferably one that splits off at least 25% of the CO₂ bound as carbamate within an hour at a temperature in the range of 20 to 100°C or above; an insertion for mounting in a substrate, the part thereof to be attached within the substrate being at least partially enclosed by such a foamable and curable preparation; an object comprising a substrate having a hollow chamber structure or made thereof, wherein the substrate is reinforced or has an insertion added using said preparation.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2011023552A1

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