

Title (en)  
METHOD FOR THE PRODUCTION OF RESIN PREPREGS WITH LIQUID REINFORCER FOR NON-WOVEN OR TEXTILE MATERIAL AND COMPONENTS MADE FROM SAID RESIN PREPREGS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON HARZMATTEN MIT FLIESSF HIGER G ELEGE- ODER TEXTILVERST RKUNG SOWIE VON BAUTEILEN AUS DIESEN HARZMATTEN

Title (fr)  
PROCEDE DE FABRICATION DE MATS IMPREGNES DE RESINE A RENFORT TEXTILE OU PAR NON-TISSES ET COMPOSANTS PRODUITS A PARTIR DE CES MATS IMPREGNES DE RESINE

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Application  
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Abstract (en)  
[origin: WO03080319A1] In conventional methods for the production of components from resin prepregs made from fibre-reinforced plastics and sheet moulding compounds (SMCs), individual strips of varying lengths are cut from one or several rolls of semi-finished material. According to the form and size of the component the strips are laid adjacent to each other. A laminated pre-form is then produced by superimposing the strip sections of varying lengths with differing orientations for the individual layers in relation to the expected loadings, then laid in a press and moulded to give a component by flow moulding. According to the invention, the production of components made from SMC may be simplified and considerable styrol vaporisation on using unsaturated polyester resins may be avoided, whereby the material reinforcement for the resin prepreg comprises at least one layer of crossed fibres, which can also be a textile structure. The alignment of said fibres, the fibre orientation, is determined by the loading generated by the forces acting on the component.

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IPC 8 full level  
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