

Title (en)
METHOD OF PULTRUSION EMPLOYING MULTIPLE RESINS

Title (de)
MEHRERE HARZE EINSETZENDES PULTRUSIONSVERFAHREN

Title (fr)
PROCÉDÉ DE PULTRUSION UTILISANT DE MULTIPLES RÉSINES

Publication
EP 1981709 A1 20081022 (EN)

Application
EP 06775079 A 20060804

Priority
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Abstract (en)
[origin: WO2007090259A1] There is provided a method of pultrusion using multiple resins. In the method a continuous interior reinforcement layer and a continuous exterior reinforcement layer are supplied and the interior reinforcement layer is infused with a first resin and then combined with the exterior reinforcement layer to form a pultrusion reinforcement structure. The pultrusion reinforcement structure passes into an infusion die where a second resin infuses the exterior reinforcement layer, and then passes into a curing die to cure the resins and form a composite article. The second resin comprises an aliphatic isocyanate polyurethane resin with a greater concentration of aliphatic isocyanate than is present in the first resin to give the composite article superior UV resistance. A pultruded composite article produced by the pultrusion method is also provided.

IPC 8 full level
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