

Title (en)

METHOD AND DEVICE FOR MAKING A COMPOSITE SHEET WITH MULTIAXIAL FIBROUS REINFORCEMENT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER VERBUNDPLATTE MIT MULTIAXIALER FASERVERSTÄRKUNG

Title (fr)

PROCEDE ET DISPOSITIF DE FABRICATION D'UNE PLAQUE COMPOSITE A RENFORT FIBREUX MULTIAXIAL

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Application

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Priority

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Abstract (en)

[origin: WO02070806A1] The invention concerns the manufacture of composite sheets with multiaxial fibrous reinforcement which consists in: forming a unidirectional layer of reinforcement yarns whereof at least 50 wt. % are commingled yarns consisting of intimately blended reinforcement filaments and filaments of an organic material; providing said layer with cohesion enabling it to be formed into a lap; lap-forming said layer on a moving support, in a direction transverse relative to the direction of displacement; heating the assembly of reinforcing yarns and organic material moving along the displacement direction and fixing it by the action of heat, optionally applying pressure, then cooling it to form a composite strip; and collecting said strip in the form of one or several composite sheets. The invention also concerns a device for implementing said method and the resulting products.

IPC 8 full level

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