

Title (en)
SPREAD-MIXED COMPOSITE FIBRE

Title (de)
AUSBREITUNGSMÄSSIG GEMISCHTE VERBUNDFASER

Title (fr)
FIBRE COMPOSITE MELANGEE ET DIFFUSEE

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Application
EP 02713326 A 20020326

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Abstract (en)
[origin: WO02081790A1] The invention relates to a method for producing composite fibres having an improved distribution of structural fibres (e.g. filaments of carbon, boron, aramide or similar) and matrix fibres (e.g. filaments of thermoplastic). The characteristic features by the method are the following steps: a) spreading of at least one bundle (9) of structural filaments (1) to at least one broad band (6) having at least one flat surface (18) and having a thickness corresponding to one or a small number of structural filaments (1); b) spreading of at least one bundle (10) of matrix filaments (2) to at least one second broad band (7) having at least one flat surface (19) and having a thickness corresponding to one or a small number of matrix filaments (2); c) that one locally guides the first band (6) and the second band (7) in parallel and in the same direction; d) that one in the parallel position joins or let run together the first band (6) with the at least one flat surface (18) adjacent to the at least second band's (7) at least one surface (19) to a composite band (8).

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