

Title (en)

METHOD FOR PRODUCING COMPRESSED PLASTIC-COATED FIBRE STRANDS

Title (de)

VERFAHREN ZUM HERSTELLEN VON VERDICHTETEN, MIT KUNSTSTOFF BESCHICHTETEN, FASERSTRÄNGEN

Title (fr)

PROCEDE DE FABRICATION DE FAISCEAUX DE FIBRES COMPRIMES, REVETUS DE PLASTIQUE

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Application

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Abstract (en)

[origin: WO2004103664A1] The invention relates to a method for producing compressed plastic-coated fibres or fibre strands, consisting of essentially parallel filaments, from fibre strands consisting of filaments coated with plastic. The invention is characterised in that fibre strands or a composite of a plurality of such fibre strands consisting of essentially parallel filaments to which the plastic is applied in a melted or liquid state, optionally as powder, are guided, following the coating, by means of a rotating device (6) which is used to carry out a local rotation of the fibres. The invention also relates to the use of the inventive individual filaments for producing saw threads, tapes and prepegs, fibre-reinforced plastic granulated material and fibre-reinforced preforms, or fibre-reinforced pultruded or extruded profiled elements. The invention further relates to a device for carrying out the inventive method.

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