

Title (en)
DEVICE FOR PRODUCING FIBRE PREFORMS, WHICH CONSTITUTE IN PARTICULAR A PRELIMINARY STAGE DURING THE PRODUCTION OF FIBRE-REINFORCED PLASTIC COMPONENTS

Title (de)
VORRICHTUNG ZUR HERSTELLUNG VON FASERVORFORMLINGEN, DIE INSBESONDERE EINE VORSTUFE BEI DER HERSTELLUNG VON FASERVERSTÄRKTEN KUNSTSTOFFBAUTEILEN DARSTELLEN

Title (fr)
PROCÉDÉ DE FABRICATION DE PRÉFORMES FIBREUSES QUI REPRÉSENTENT EN PARTICULIER UNE ÉTAPE PRÉALABLE LORS DE LA FABRICATION D'ÉLÉMENTS EN PLASTIQUE RENFORCÉS PAR DES FIBRES

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Abstract (en)
[origin: WO2014053305A1] The invention relates to a device for producing fibre preforms, which constitute in particular a preliminary stage during the production of fibre-reinforced plastic components. The device has a plurality of unwinding stations (1, 2, 3, 4) for providing a plurality of yarns or rovings or tapes, and a plurality of grippers (6, 7, 8, 15, 15', 15''), each of which is able to grip one or more yarns or rovings or tapes at the start thereof (20). Each gripper (6, 8, 15) can be moved back and forth on a path between a maximum position (12) and a pick-up position (11), and the pick-up position (11) is provided at a yarn transfer point (14) and is closer to the unwinding station (1, 2, 3, 4) than the maximum position (12). Each of the grippers (6, 7, 8, 15, 15', 15'') can be moved individually on paths which are substantially parallel to one another. The yarns or rovings or tapes can be tensioned in parallel, a first positioning element (24) is secured on each gripper (6, 7, 8, 15, 15', 15''), and at least one corresponding second positioning element (25) is provided for each first positioning element. The position of the gripper (6, 7, 8, 15, 15', 15'') can be fixed by the first and second positioning elements interlocking at a point along the path.

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