

Title (en)

METHOD AND DEVICE FOR PLACING THREADS ON A PLASTIC SUBSTRATE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERLEGEN VON DRÄHTEN AUF EINEM KUNSTSTOFFSUBSTRAT

Title (fr)

PROCEDE ET DISPOSITIF POUR LA POSE DE FILS SUR UN SUBSTRAT EN MATIERE PLASTIQUE

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Application

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Abstract (en)

[origin: WO2004077496A2] The invention relates to a method for placing threads on a plastic substrate, which is fixed to a support, particularly in the form of a drum, and which is moveable with the aid of a first drive, with the aid of at least one placement unit which is used to place the thread on the surface of the substrate, which is moveable with the aid of a second drive, in relation to the moveable support and independently thereof on the surface of the substrate. According to the invention, a reversible positioning drive, preferably a direct electric drive such as a torque motor, is used as a first drive in order to position the support. At least one linear motor with a guiding device for at least one cursor is used as a second drive for positioning the at least one placement unit. The inventive method and device for the implementation thereof enable, for example, the creation of occupation fields, diverging from a rectangular surface and/or the placement of threads having irregular undulations (lengths, amplitudes).

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