

Title (en)

A METHOD AND A DEVICE FOR FORMING A FIBRE FROM A MATERIAL AND DIRECTING SAID FIBRE, USING AN ELECTRIC FIELD, AND AN OBJECT THUS FORMED

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FASERBILDUNG UND -LENKUNG UNTER ANWENDUNG EINES ELEKTRISCHEN FELTS UND SO GEBILDETER GEGENSTAND

Title (fr)

PROCEDE ET DISPOSITIF DE FORMATION D UNE FIBRE A PARTIR D'UN MATERIAU ET DE DIRECTION DE CETTE FIBRE AU MOYEN D'UN CHAMP ELECTRIQUE, ET OBJET AINSI FORME

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Abstract (en)

[origin: WO2006112697A1] The invention relates to a method and a device for forming a fibre from a material and directing said fibre, using an electric field, wherein said electric field is applied between at least two electrodes. A first electrode is formed by a capillary for supplying the material, and the first electrode is brought to a first electrical potential. A second electrode is brought to a second electrical potential for locally applying said second electrical potential in at least one point for the purpose of pulling the fibre in a specified direction. The location of the point at which the second electrical potential is applied can be changed in a time-controlled manner. The invention also relates to a fibre and to an object comprising a surface formed in this manner.

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