

Title (en)

DEVICE FOR DEPOSITING A BEAD OF A PLASTIC SUBSTANCE AND METHOD FOR IMPLEMENTING SAME

Title (de)

VORRICHTUNG ZUM AUFBRINGEN EINES WULSTES AUS KUNSTSTOFF UND VERFAHREN ZU DESSEN DURCHFÜHRUNG

Title (fr)

DISPOSITIF POUR LA DÉPOSE D'UN CORDON D'UNE SUBSTANCE PLASTIQUE ET SON PROCÉDÉ DE MISE EN OEUVRE

Publication

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Application

EP 18842446 A 20181224

Priority

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Abstract (en)

[origin: WO2019129989A1] The invention concerns a device (10) for depositing a bead (12) of a plastic substance on a profile (14) delimited by at least one deposition face (16) for depositing the bead (12), the device (10) comprising a robotic arm (26), a deposition effector (28) comprising an extrusion nozzle (34) that is linked to a supply (30) of plastic substance and that extends axially along an extrusion axis (A), a force feedback sensor for measuring the force applied by the nozzle (34) to the profile (14) during the deposition of the bead (12), characterised in that it comprises an electronic computer (42) implementing a computer program that is designed to control the robotic arm (26) in space along a predetermined theoretical trajectory, and correct said theoretical trajectory according to the measurements made by the force feedback sensor, such that the bearing force (F) of the nozzle (34) on the profile (14), measured by the force feedback sensor, tends towards a predefined value, in order to allow the nozzle (34) to remain in contact on the profile (14).

IPC 8 full level

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Citation (search report)

See references of WO 2019129989A1

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