

Title (en)
METHOD AND DEVICE FOR MAKING A TUBULAR COMPOSITE BODY

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES ROHRFÖRMIGEN VERBUNDKÖRPERS

Title (fr)
PROCÉDÉ ET DISPOSITIF DE FABRICATION D'UN CORPS COMPOSITE TUBULAIRE

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Application
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Abstract (en)
[origin: WO2022171875A1] The invention relates to a device for making a tubular composite body, comprising: - a cylindrical platform, - an internal cylinder having an external diameter which is the same as the internal diameter of the cylindrical platform, - an external cylinder having an internal diameter which is the same of the external diameter of the cylindrical platform, - a 3D printer having an internal nozzle and an external nozzle and means for rotating the internal nozzle along a first circle and the external nozzle along a second circle greater than the first circle, - a movable structure to which the internal and external cylinders are removably fixed and the nozzles are fixed, and further comprising - means for moving the movable structure upwards in a direction parallel to the axis of the cylindrical platform, and - means for guiding the external and internal cylinders when they move upwards with the movable structure and the nozzles. The invention also pertains to a method for making a tubular composite body, like a tubular composite ceramic body, which can be used for example as a filter, in particular a MIEC-ceramic filter.

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