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(54) Title: FIBER-ASSEMBLED TISSUE CONSTRUCTS

(57) Abstract: The present invention relates to a fiber-assembled tissue construct comprising at least one sinusoid unit, the unit comprising at least two polymeric fibers arranged in a sinusoid structure and fused together, each of said fibers comprising a porous matrix supporting biological components encapsulated in the fiber, wherein the biological components are patterned in three-dimensions within the construct.



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