

Additive Manufacturing Process Continuous Reinforcement Fibers And High Fiber Volume Content

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The Invention

An additive printer dispenses filament having high volume content of axial reinforcing fibers impregnated with a partially cured thermoset material. Partial curing provides sufficient mechanical integrity for high-density fiber support and retention while maintaining tackiness necessary to allow layer by layer additive construction. The complete construction may then be heated to provide complete curing.

Tech Fields

• Engineering : Additive manufacturing

For current licensing status, please contact Michael Carey at mcarey@warf.org or 608-960-9867

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