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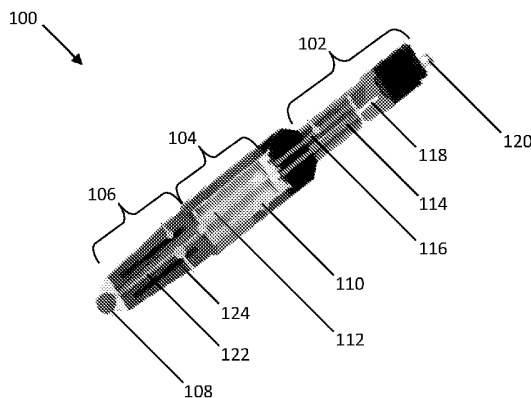


FIG. 1B

(57) Abstract: There is provided a device for skin bioprinting and a method of making a device for skin bioprinting, the device comprising: a dispenser module configured to actuate and dispense a bioink from a first chamber, and to actuate and dispense a crosslinker from a second chamber; a storage module coupled to the dispenser module, the storage module comprising the first chamber for storing the bioink and the second chamber for storing the crosslinker; a mixing module coupled to the storage module for mixing the bioink and the crosslinker dispensed from the first and second chambers respectively; and a rotatable applicator coupled to the mixing module for rotatably applying a mixture of the bioink and crosslinker from the mixing module onto a surface of a patient in need of skin regeneration.

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