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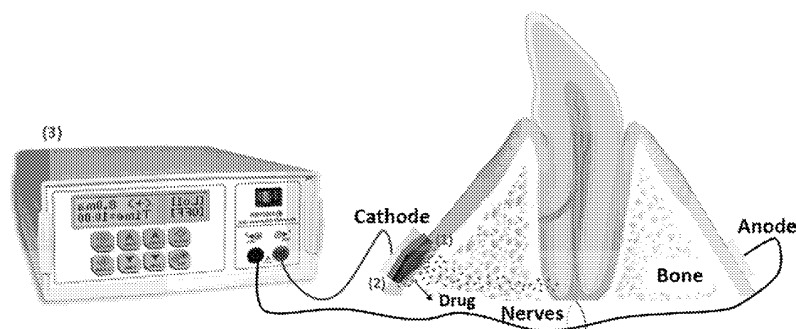
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(54) Title: CONDUCTIVE MICRONEEDLE PATCH FOR ACTIVE AGENT DELIVERY

FIG. 4



(57) Abstract: The present disclosure provides for a microneedle array. The microneedle array is useable for delivering an active agent to a subject. The microneedle array includes a base having microneedles disposed thereon, wherein each of the microneedles is formed of (i) a swellable and water-insoluble matrix comprising a crosslinked polymer or (ii) a water-soluble matrix comprising a water-soluble polymer; and a conductive polymer incorporated in the swellable and water-insoluble matrix or the water-soluble matrix. A device configured to deliver an active agent and a method of delivering an active agent through the device, wherein the device includes the microneedle array, are provided herein. A method of producing the microneedle array is also disclosed herein.

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