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(54) **Title:** WOUND-HEALING SYSTEMS AND METHODS THEREOF

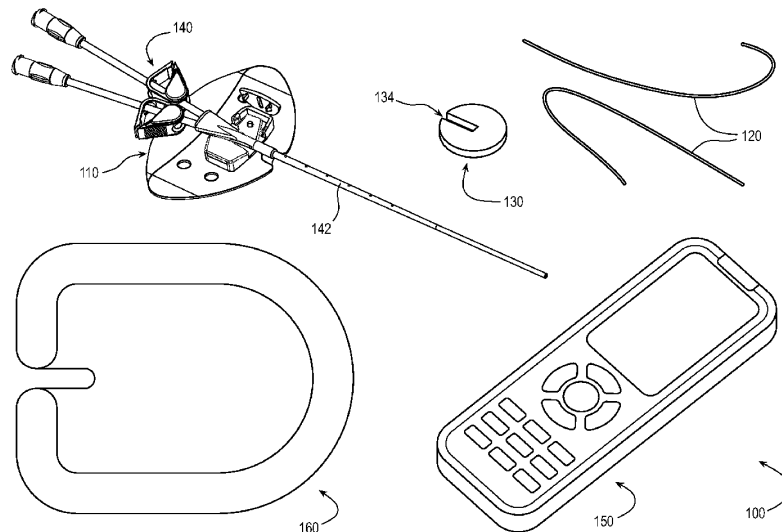


FIG. 1

(57) **Abstract:** Disclosed herein are wound-healing systems and methods thereof. A wound-healing system can include a wound dressing, a catheter-stabilization device, and an electrical-stimulation means for applying electrical stimulation to heal or protect at least a wound associated with a percutaneous insertion site of a patient. The wound dressing can be configured as an electrode for placement around the wound. The catheter-stabilization device can include an anchor pad and a retainer coupled to the anchor pad. The anchor pad can be configured to adhere to skin of the patient proximate the insertion site. The retainer can be configured to stabilize a catheter assembly while a catheter tube of the catheter assembly is disposed in the insertion site. The electrical-stimulation means can include an electrical power source and an external circuit between the catheter-stabilization device and the wound dressing for applying the electrical stimulation.

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