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(54) Title of the invention : WOUND TESTING AND CURING DEVICE

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(57) Abstract :

A wound testing and curing device, comprising hollow body 1 aiding patient to place wounded hand/leg comfortably to attach zip stitch, imaging unit 2 installed inside body 1 that takes multiple images of wound to identify presence of blood, FBG sensor integrated within body 1 and paired to microcontroller to measure curvature angle of wound, multiple test sensors fabricated within body 1 and mounted with individual telescopic rods 3 that sequentially extend and position over wound to determine physical characteristics of wound, extendable rod 4 installed within body 1 and mounted with multiple zip stitch 5 that extends towards wound located by image capturing unit 2 and attaches zip stitch 5 and cutter 6 arranged in synchronization to extendable rod 4 that pulls and tightens one end of zip stitch 5 depending upon physical parameters and cuts remaining portion of end to apply zip stitch 5 over wound. Ref. Figure 1

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