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- (71) Applicant: KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY [SA/SA]; 4700 King Abdullah University Of Science And, Technology, Thuwal, 23955-6900 (SA).
- (72) Inventors: HUSSAIN, Muhammad, Mustafa; 4700 King Abdullah University Of Science And, Technology, Thuwal, 23955-6900 (SA). HUSSAIN, Aftab, Mustansir; 4700 King Abdullah University Of Science And, Technology, Thuwal, 23955-6900 (SA).
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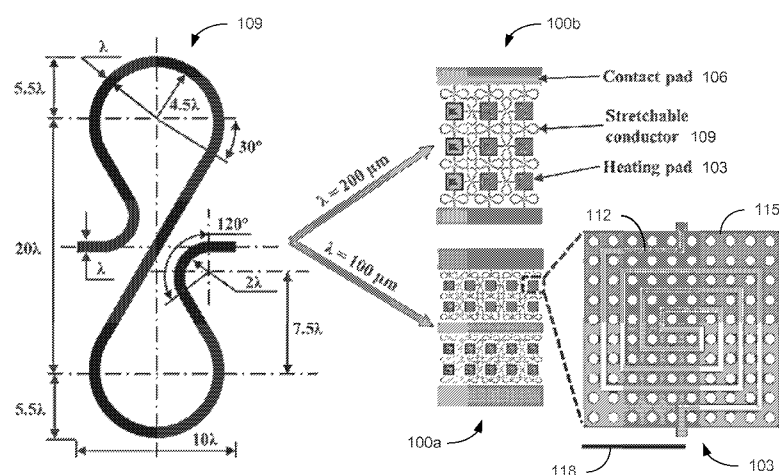
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(54) Title: SMART THERMAL PATCH FOR ADAPTIVE THERMOTHERAPY

**FIG. 1**

(57) Abstract: A smart thermal patch for adaptive thermotherapy is provided. In an embodiment, the patch can be a stretchable, non-polymeric, conductive thin film flexible and non-invasive body integrated mobile thermal heater with wireless control capabilities that can be used to provide adaptive thermotherapy. The patch can be geometrically and spatially tunable on various pain locations. Adaptability allows the amount of heating to be tuned based on the temperature of the treated portion.