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- (71) Applicant: THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM [US/US]; 201 West 7th Street, Austin, TX 78701 (US).
- (72) Inventors: PRASAD, Shalini; 201 West 7th Street, Austin, TX 78701 (US). SELVAM, Anjan, Panneer; 201 West 7th Street, Austin, TX 78701 (US).
- (74) Agent: SPENCE, Chris, W.; Parker Highlander, PLLC, 1120 S. Capital of Texas Highway, Building One, Suite 200, Austin, TX 78746 (US).
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(54) Title: PLANAR CONFORMAL CIRCUITS FOR DIAGNOSTICS

(57) Abstract: The claimed invention is an apparatus and method for performing impedance spectroscopy with a handheld measuring device. Conformal analyte sensor circuits comprising a porous nanotextured substrate and a conductive material situated on the top surface of the solid substrate in a circuit design may be used alone or in combination with a handheld potentiometer. Also disclosed are methods of detecting and/or quantifying a target analyte in a sample using a handheld measuring device.



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