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- (54) **Title:** UNIT, KIT AND SYSTEM FOR IDENTIFYING ABNORMALITIES IN A TISSUE OF A SUBJECT

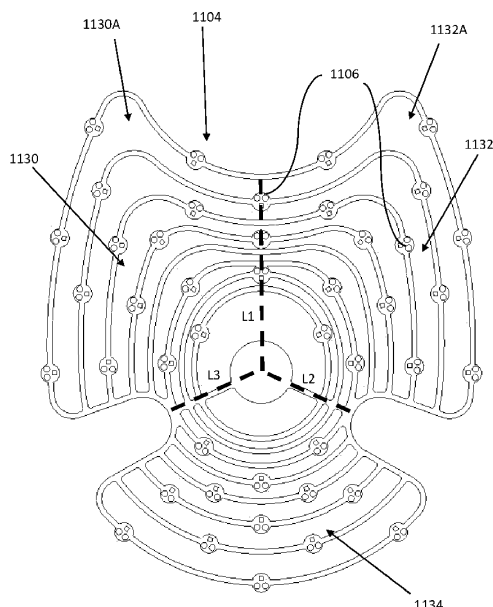


Fig. 11

(57) **Abstract:** A system and method for identifying abnormalities in a tissue of a subject, particularly an abnormality related to cancer. A unit is configured for attachment to a portion of the breast and the armpit. The unit includes sensors configured to sense temperature and/or electrical profile responses from a skin portion following attachment of the unit. The unit further comprises at least one current electrode configured to apply electrical current to the skin such that the response to this electrical current profile is identified by the sensing spots. The electrical current can be through a first location and a sensing spot associated with a second location is configured to sense the response to the electrical current profile. Circuitry embedded in the unit is configured to (i) control the electrical current profile, (ii) operate the sensing spots, and (iii) transmit the sensed data that is measured by the sensing spots. A map of temperature profiles and electrical profile response of the breast can be generated and analyzed to identify signatures of tissue abnormality.