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(54) **Title:** A DEVICE FOR IMAGING, RECORDING AND SAVING THERMOGRAPHIC IMAGE, A SYSTEM OF THREE LIQUID CRYSTAL MATRICES USED BY THIS DEVICE AND ITS APPLICATION FOR THE DETECTION OF THERMAL ANOMALIES, AND A METHOD OF DIAGNOSING OF THESE ANOMALIES

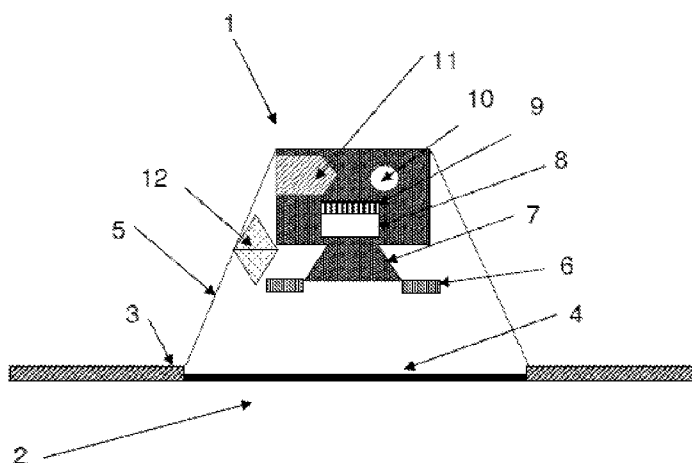


Fig. 1

(57) **Abstract:** The invention relates to a device for imaging, recording and saving a thermographic image of a breast, characterised in that it comprises a video recorder (1) and an infrared mapping liquid crystal matrix (2) working in the temperature range of approximately 1 ° in a range of 31,8 ° C to 34,8 ° C, wherein the recorder (1) preferably includes a housing (5), a light source (6), a camera (7) with an optoelectronic transducer (8), an analog-digital converter (9), a power source (10) and a storage medium (11). The present invention also refers to a method of diagnosing of the breast pathology using that device, a system of the three infrared mapping liquid crystal matrices (2) and its application for the detection of thermal anomalies on the surface of the breast.