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(54) Title of the invention : A SINGLE SENSOR CHIP FOR NON-INVASIVE BREAST CANCER DETECTION AND METHOD THEREOF

(57) Abstract:

ABSTRACT A single sensor chip for non-invasive breast cancer detection and method thereof The present invention relates to a single sensor chip for non-invasive breast cancer detection made of nanoparticles, comprising of a plurality of radio frequency arrays comprising a combination of planar and circular arrays to obtain a 3D picture, a plurality of biomarkers to detect the presence of tumour, and a plurality of biosensors to recognise the biomarkers used; wherein the chip is connected to a monitor system to obtain the reconstructed 3D images of the breast tissue and a method of detection thereof.

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