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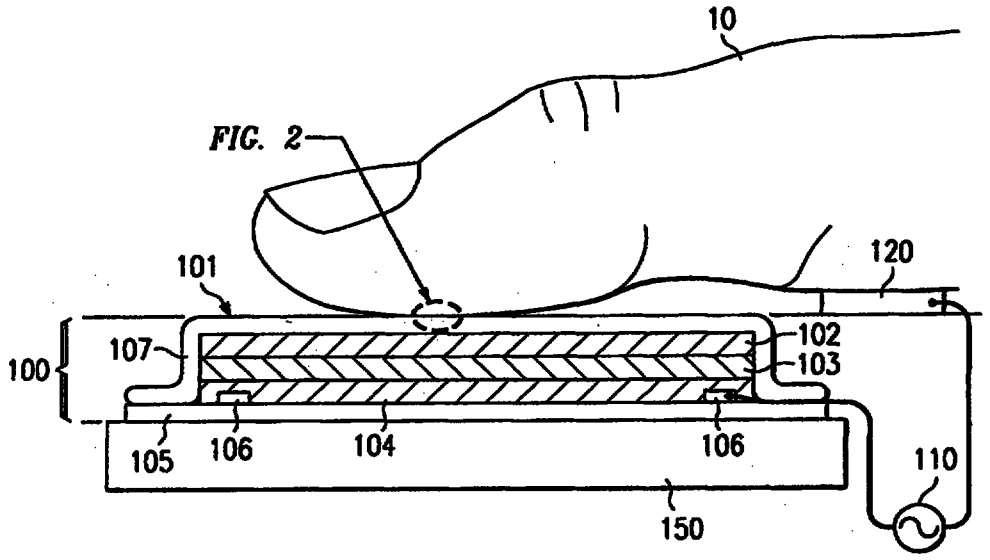
(54) Title: IRRADIATED IMAGES DESCRIBED BY ELECTRICAL CONTACT



(57) Abstract

A device generating images described by contact (fig. 1, element 101), in which the contact itself closes an open circuit to generate radiation in a pattern in register with the contact. The resulting irradiated image corresponds directly to the contact pattern energizing the radiation. In a preferred embodiment enabled by an electroluminescent system (fig. 1, element 100) without a back electrode, a fingerprint is disposed to close the open circuit by making contact and thereby serving as a "temporary" back electrode. The electroluminescent then energizes in a pattern in register with the contact (fig. 1) (i.e. the fingerprint) to emit a high–resolution image of visible light with high fidelity to the contact (figs. 5a and 5b). This visible light image may then be directed onto a photosensitive array standard in the art suitable for pixelation and conversion into an electrical signal representative of the image. This signal is available for computerized storage, analysis, processing and comparison.