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(54) **DETECTING DEVICE**

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(57) **ABSTRACT**

A detecting device includes at least one detecting module. In the detecting module, a light source unit is configured to emit a first beam and a second beam. The wavelength of the first beam is different from that of the second beam. A packaging unit is disposed on the light source unit and a light detecting unit and on transmission paths of the first beam and the second beam from the light source unit. An optical microstructure unit is disposed on the transmission paths of the first beam and the second beam. The first beam and the second beam emitted from the light source unit pass through the packaging unit to pass the optical microstructure unit to be transmitted to a biological tissue, and then pass through the optical microstructure unit to pass the packaging unit to be transmitted to the light detecting unit in sequence.

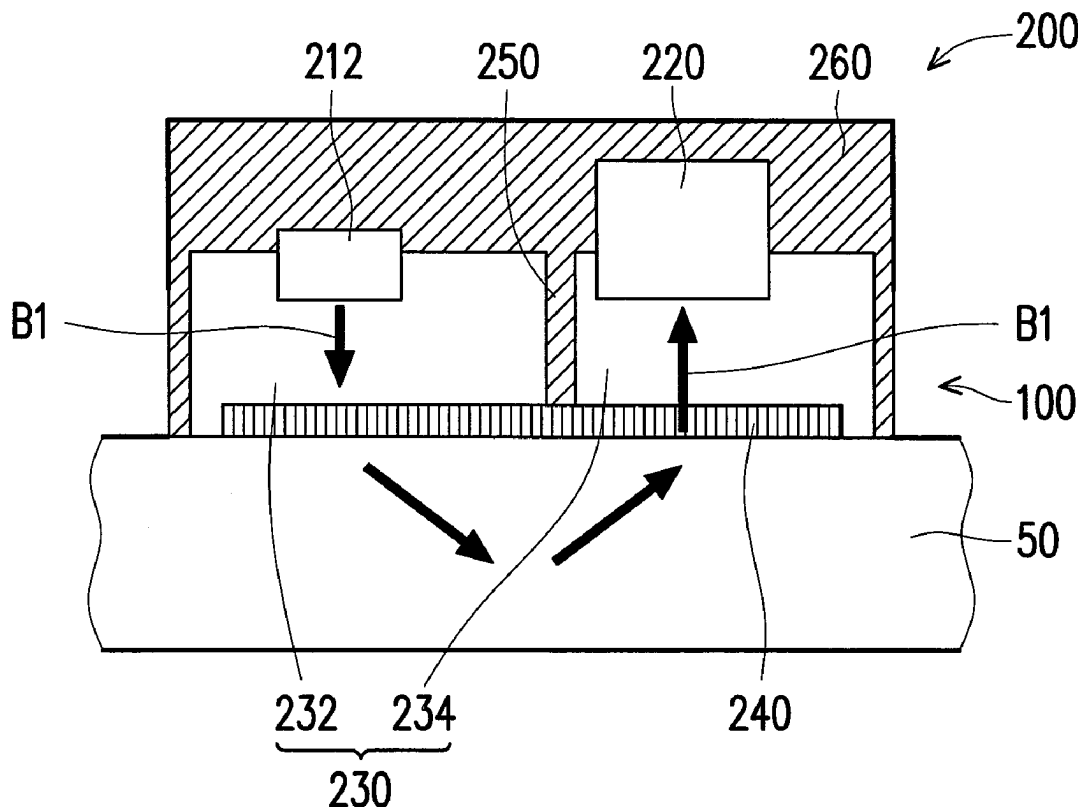
(73) Assignee: **Industrial Technology Research Institute, Hsinchu (TW)**

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**Related U.S. Application Data**

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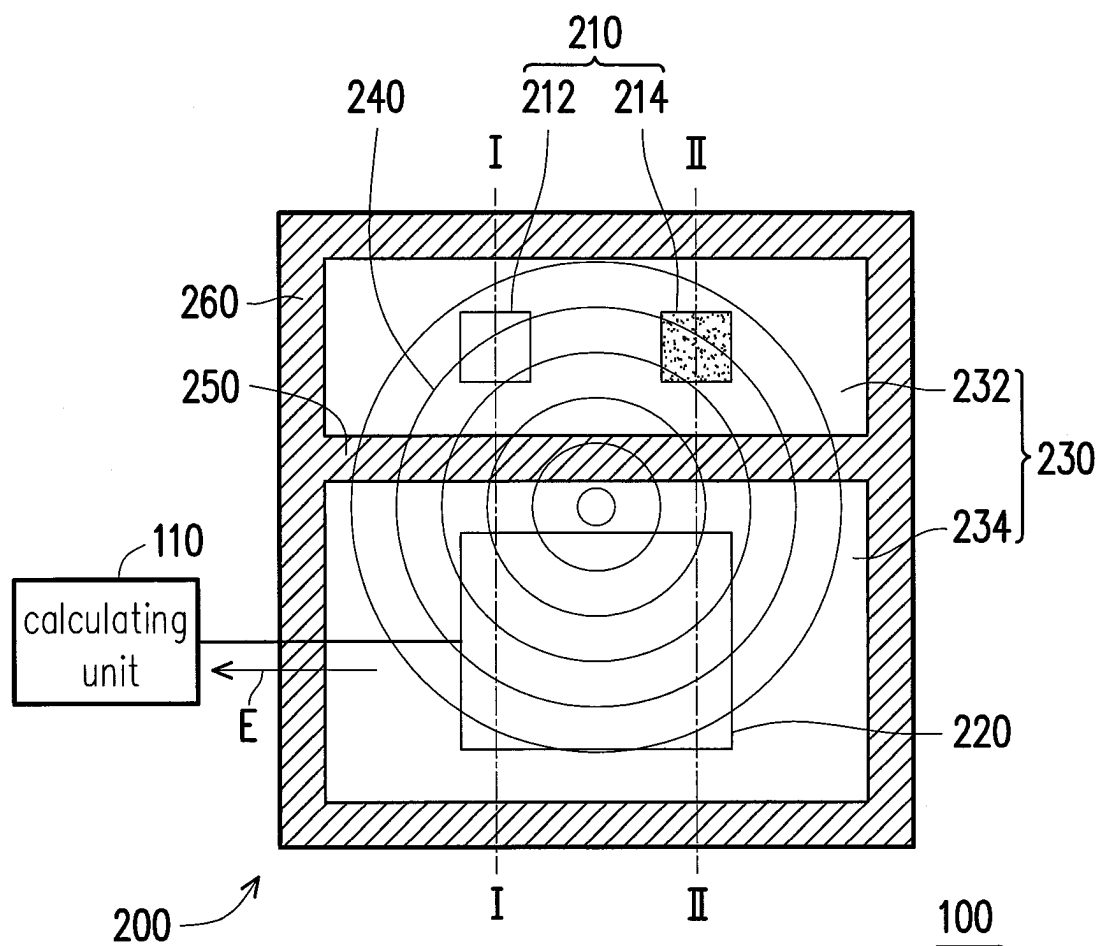


FIG. 1A

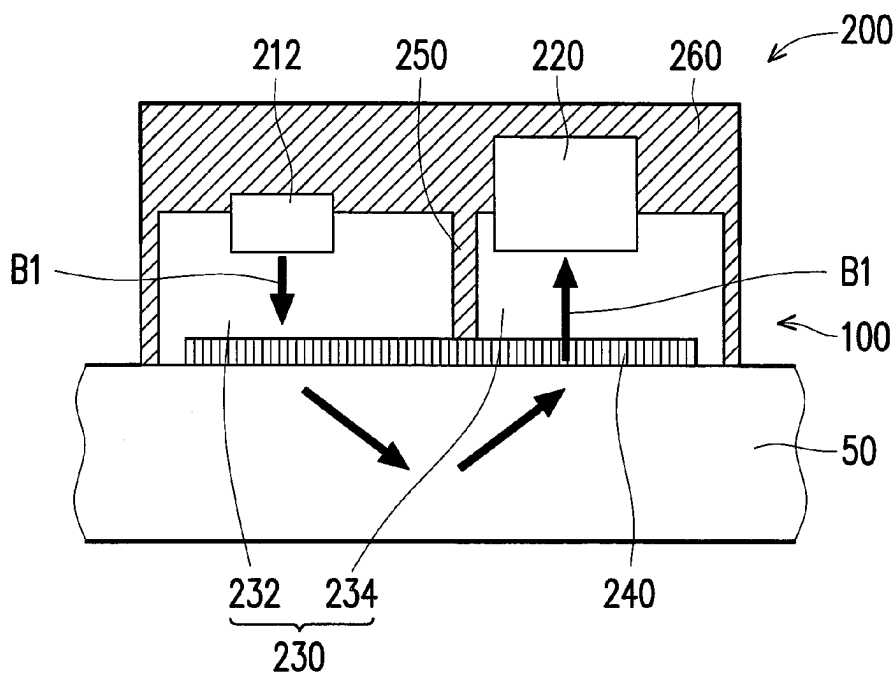


FIG. 1B

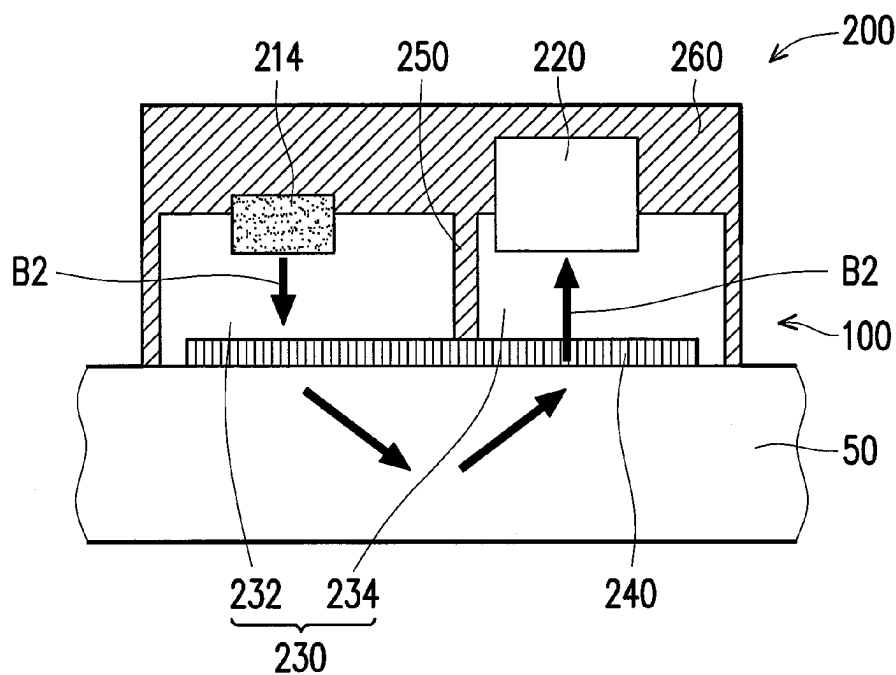


FIG. 1C

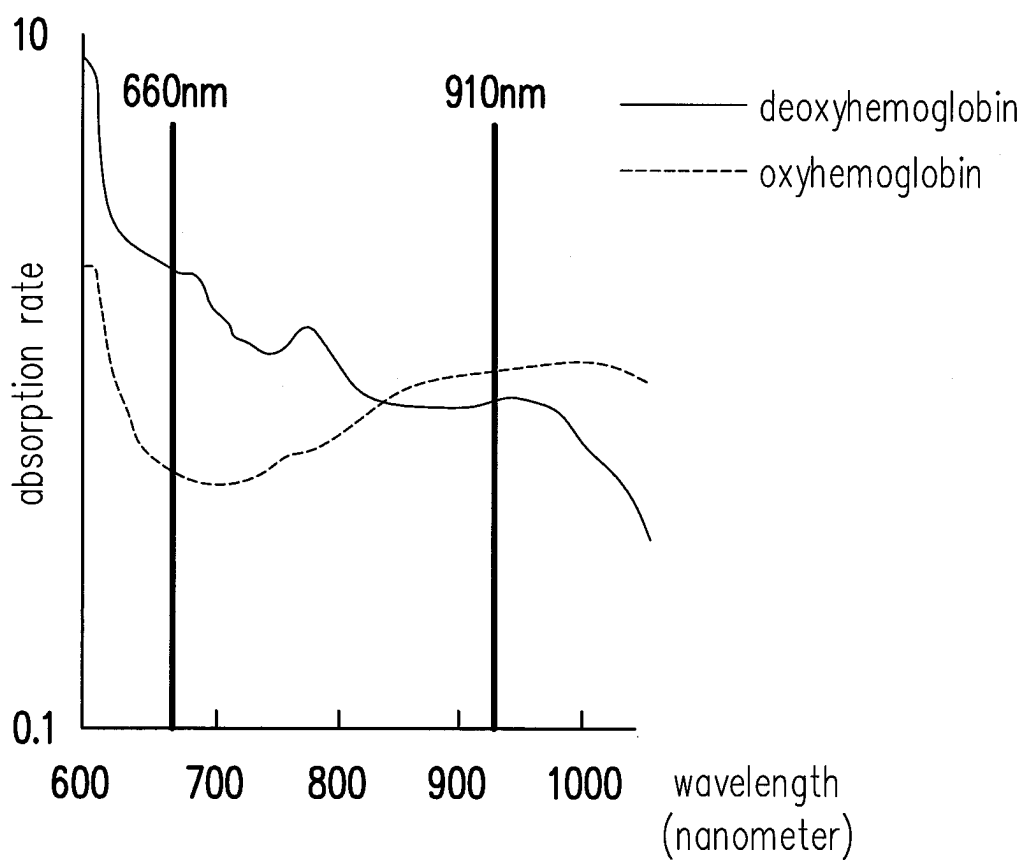


FIG. 2

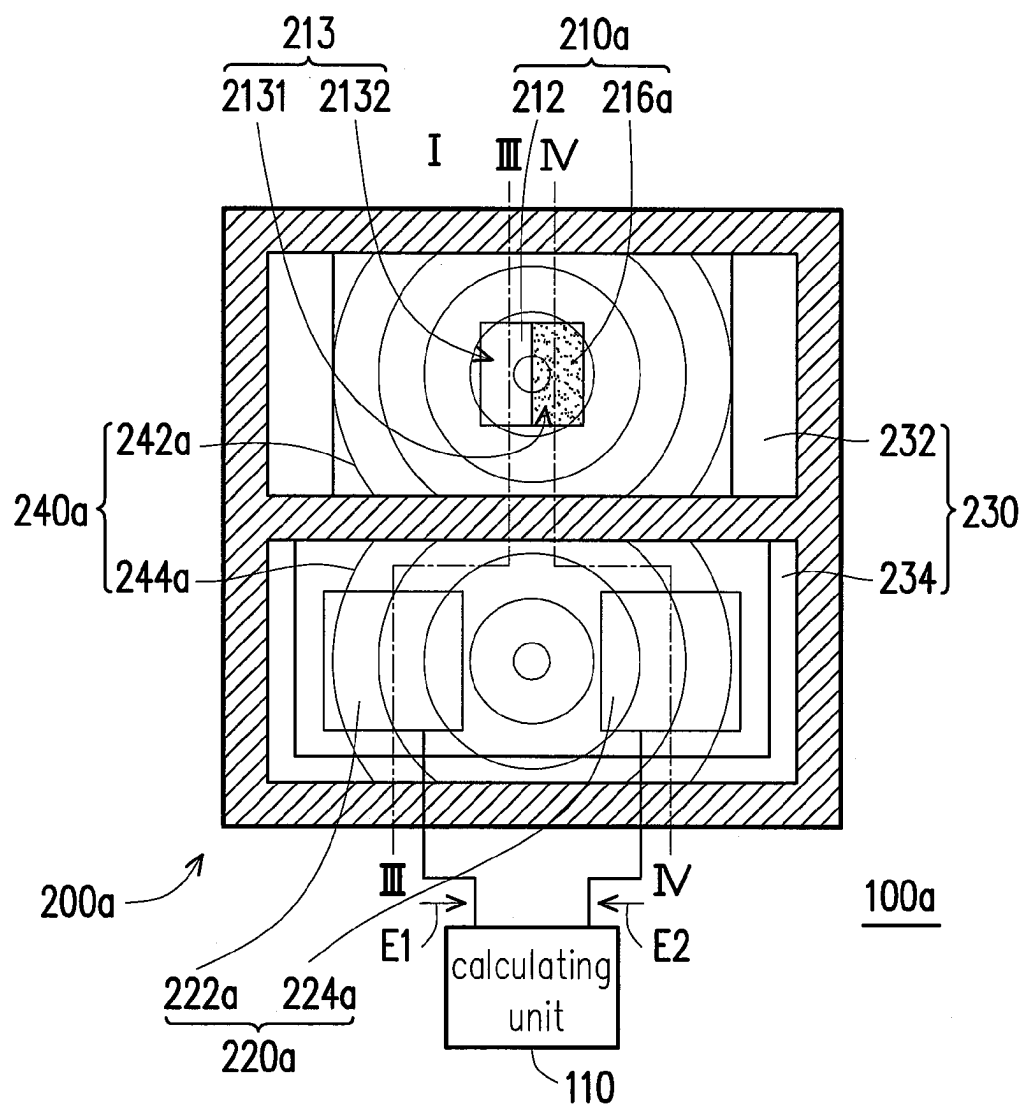


FIG. 3A

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