

Title (en)

APPARATUS FOR SPECTROPHOTOMETRY AND METHOD OF OBTAINING SPECTROPHOTOMETRICAL INFORMATION

Title (de)

GERÄT FÜR SPECTROPHOTOMETRIE UND VERFAHREN ZUR GEWINNUNG VON SPECTROPHOTOMETRISCHEN INFORMATIONEN

Title (fr)

APPAREIL DE SPECTROPHOTOMETRIE ET MODE DE RECUEIL DE L'INFORMATION SPECTROPHOTOMETRIQUE

Publication

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Application

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Abstract (en)

[origin: WO9965382A1] Spectrophotometrical apparatus for use in in-vivo conditions is provided. The apparatus includes a fibre-optics based device (11) having collecting fibres (11a) and emitting fibres (11b), computational apparatus and an NIR light source. The emitting fibre-optic (11a) emit NIR light and collecting fibre-optic (11b) are positioned to collect light reflected back from within a sample of tissue in-vivo. Selected parameters from computational analysis of the data received from the collecting fibre-optic are displayed in real-time to enable detection of the onset of, for example, ischaemia within a sample of soft tissue in-vivo.

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