

Title (en)

METHOD AND MEASURING INSTRUMENT FOR COLLECTING SPECTROMETRIC TEST SIGNALS FROM LIVING TISSUE

Title (de)

VERFAHREN UND MESSEINRICHTUNG ZUR ERHEBUNG SPEKTROMETRISCHER MESSSIGNALE AUS VITALEM GEWEBE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MESURE POUR PRÉLEVER DES SIGNAUX DE MESURE SPECTROMÉTRIQUES DANS UN TISSU VIVANT

Publication

**EP 2198270 A1 20100623 (DE)**

Application

**EP 08802671 A 20080926**

Priority

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Abstract (en)

[origin: WO2009043554A1] The invention relates to a method and a measuring instrument for collecting spectrometric test signals from living tissue. The aim of the invention is to create solutions which make it possible to generate, in the course of a spectrometric measurement, test results that supply more comprehensive data than previously known recording attempts. Said aim is achieved by a method for generating spectrometric test signals, in which light (L) is injected into a living tissue area (G) to be examined, reflected light (R) emerging from the tissue area to be examined is fed to a spectrometer device, and test signals representing the intensity of the reflected light by associating the same with the wavelength are generated by means of the spectrometer device. The measurement is taken such that the measurement process lasts a certain period of time (T) during which data is generated that represents the time course of the intensity of the resolved wavelengths, thus advantageously making it possible to generate, during the spectrometric measurement, signals which allow specific substances, e.g. the blood components cholesterol and sugar, to be associated with specific zones of the examined tissue area.

IPC 8 full level

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Citation (search report)

See references of WO 2009043554A1

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