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(54) Title (EN): A METHOD OF SPECTRAL ANALYSIS AND AN APPARATUS FOR PERFORMING THE METHOD

(54) Title (FR): PROCEDE D'ANALYSE SPECTRALE ET APPAREIL PERMETTANT D'APPLIQUER CE PROCEDE

(57) Abstract:

(EN): The concentration of a component such as alcohol or glucose in a sample of an opaque liquid such as blood is determined by mounting a sample holder (16) containing the liquid sample (2) or adjacent an integrating sphere (3) and directing light from a light source (1) into the integrated sphere (3) so that the sample is exposed to the light and light from the sample passes into the integrated sphere. A spectral analysis is performed on light from the integrating sphere and the results processed and displayed or printed as information as to the presence and/or concentration of the component in the sample.

(FR): Selon l'invention, on détermine la concentration d'un composant, tel que l'alcool ou le glucose, dans un échantillon de liquide opaque, tel que du sang, en montant un porte-échantillon (16) contenant l'échantillon liquide (2) ou à proximité d'une sphère d'intégration (3) et de diriger la lumière d'une source de lumière (1) dans la sphère intégrée (3) de sorte que l'échantillon soit exposé à la lumière et que la lumière de l'échantillon passe dans la sphère intégrée. Une analyse spectrale est effectuée sur la lumière de la sphère intégrée et les résultats sont traités et affichés ou imprimés sous forme d'information concernant la présence et/ou la concentration du composant dans l'échantillon.

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