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(54) Title: ARRANGEMENT ADAPTED FOR SPECTRAL ANALYSIS

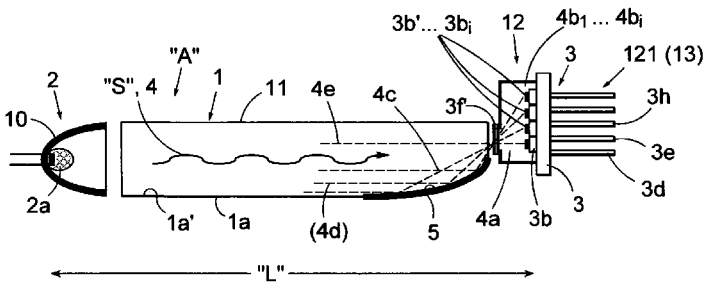

Fig. 12a

(57) Abstract: An arrangement ("Al') adapted for a spectral analysis, having a light transmitting means (10, 2a), a delimited space (11) in the form of a cavity serving as a measuring cell and defining an optical measuring distance ("L"), a light sensing means (12) for detecting radiation (4) passing said optical measuring distance ("L") from said light transmitting means (10), and a unit (13), connected at least to said light sensing means (12) and performing the spectral analysis. Beams of radiation from the light transmitting means are made to pass through an optical band-pass filter (3f) at different angles of incidence. The filter is structured so as to pass a wavelength in dependence of the angle of incidence. A first chosen wavelength component is separated from a second wavelength component, each being received in its opto-electric means (3b, 3b') - Said unit is adapted for detecting and calculating an occurring radiation intensity for each such wavelength component.

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