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(54) Title: REFLECTION OR SINGLE SCATTERING SPECTROSCOPY AND IMAGING

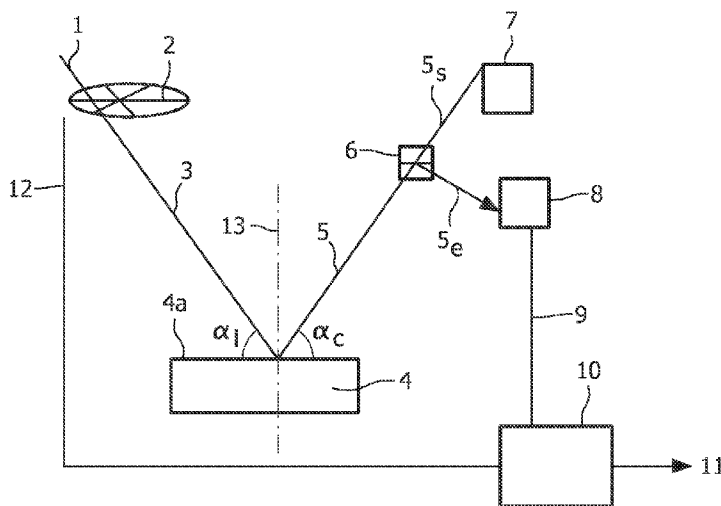


FIG. 1

(57) Abstract: The invention relates to a method for the analysis of a probe medium (4) by interaction between an incident light beam (3), having an intensity, and the probe medium (4), the incident light beam (3) also passing through a scattering medium, the method comprising: - modulating the amplitude of at least two polarization components of the incident light beam (3), while keeping the intensity of the incident light beam constant, - after interaction between the modulated incident light beam (3) and the probe medium (4) and scattering by the scattering medium, generating an outgoing interacted and backscattered light beam (5, 5'), collecting a collected interacted and backscattered light beam (5p, 5s) from the outgoing light beam (5, 5'), - demodulating the collected light beam (5), in order to measure a value related to the interaction, free from scattering which does not preserve modulation.

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Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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Further documents are listed in the continuation of Box C. See patent family annex.

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INTERNATIONAL SEARCH REPORT

International application No

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