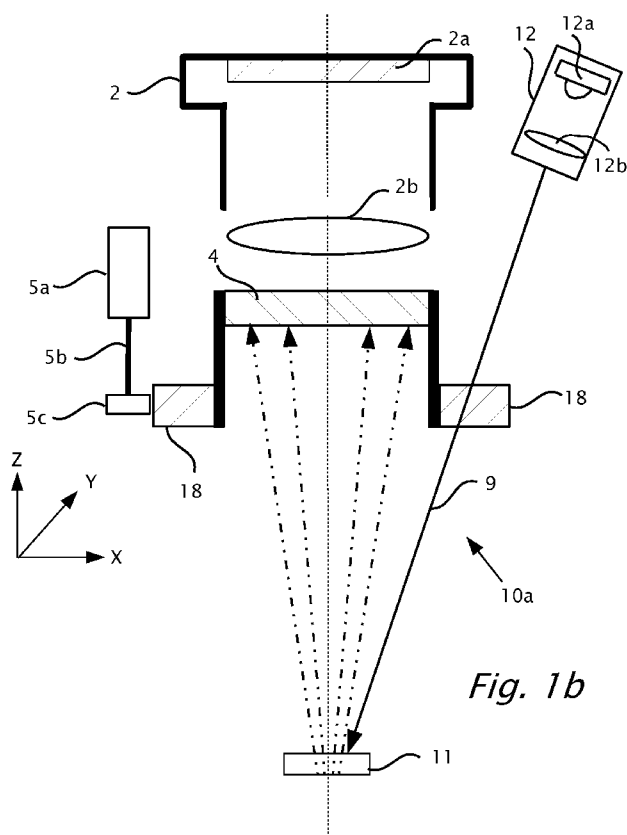




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(54) Title: OPTICAL POLARIMETRIC IMAGING



(57) Abstract: A method for probing morphology of a tissue surface using a system which may include a light source, a polarizer, an analyzer, and a camera with a plurality of picture elements. The method illuminates the tissue surface with incident light through the polarizer. The camera may capture through the analyzer, scattered light from the tissue surface in a continuous sequence of image frames. Variation of polarization state may be of at least one of (1) the incident light from the light source by varying the polarizer or (2) the scattered light from the tissue surface by varying the analyzer. During the capture, for a picture element of the camera, a varying intensity signal of the scattered light is detected responsive to the varying polarization state.



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