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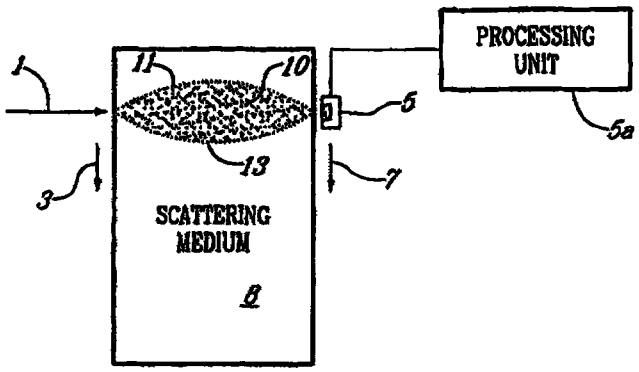
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(54) Title: DEPTH DISCRIMINATION OF HETEROGENEITIES IN TURBID MEDIA



(57) Abstract

In accordance with the method a turbid medium (8) is scanned by displacing an optical signal source and a corresponding optical detector (5) from one respective spatial location to another about the turbid medium, each spatial location being associated with corresponding input regions on opposite faces of the turbid medium (8). The optical signal source directs an optical signal (1) to each of said input regions. The optical detector (5) sends corresponding detector output signal data to an image processing means (5a) for generating a set of image data of the turbid medium (8). The improvement comprises generating in addition to a primary set of image data, secondary and/or tertiary image data which are derived by scanning the turbid medium (8) using input regions and output regions of different sizes. The various sets of image data obtained may be manipulated to highlight the differences or similarities between the images (e.g. to obtain a composite set of image data indicative of an anomaly(ies) in the body of the turbid medium (8).