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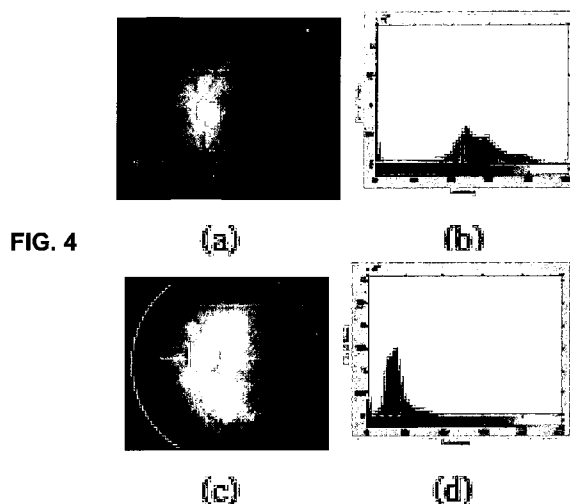
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(54) Title: FEATURE DETECTION AND MEASUREMENT IN RETINAL IMAGES



(57) Abstract: ABSTRACT The invention is directed to methods of detecting and/or measuring a feature in a retinal image. The feature detected and/or measured may be one or more of the optic disc, optic disc centre, optic disc radius, vessel edge, vessel calibre/width and vessel central reflex. One method for detecting the optic disc includes analyzing an image histogram to determine intensity levels; analyzing the intensity levels to determine a threshold intensity for potential optic disc regions; determining the number of pixels for each potential optic disc region; and calculating the centre of each potential optic disc region from the number of pixels in each potential optic disc region to thereby detect the optic disc.

