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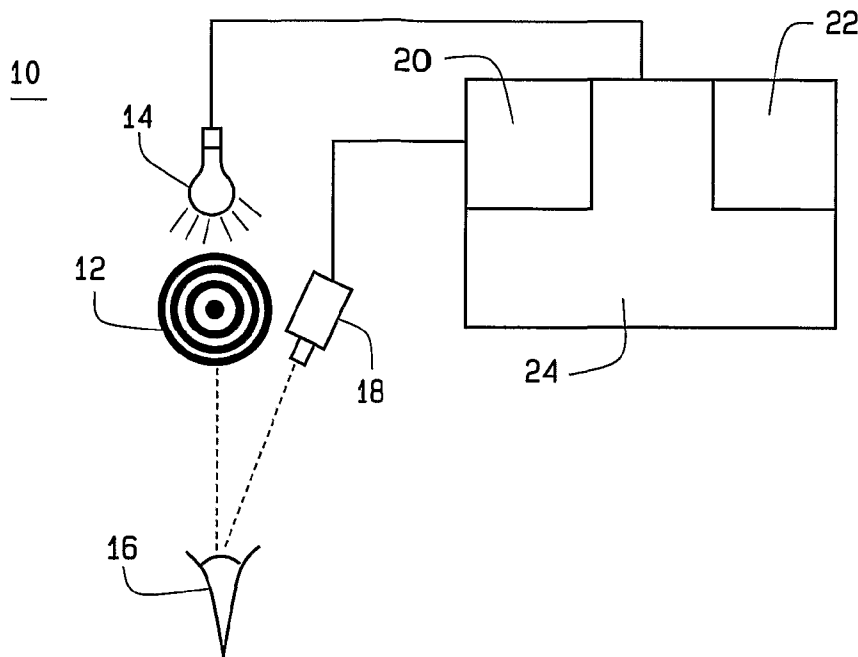
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[Continued on next page]

(54) Title: EDGE DETECTOR IN AN OPHTHALMIC EYE EVALUATION SYSTEM



(57) Abstract: An ophthalmic eye evaluation system (10) includes a pattern (12) of alternating light and dark areas. An illumination source (14) projects the pattern (12) onto a patient's eye (16). A camera (18) captures one or more images of the pattern (12) reflected from the eye (16). A memory (20) is connected to the camera (18) for storing the images of the reflected pattern. An edge detector (22) determines a transition point where the stored reflected pattern alternates from a light area to a dark area. The edge is determined as being at a point 50% between a maximum stored intensity level and a minimum stored intensity level.

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Declaration under Rule 4.17:

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