

- [54] **CONTRAST SENSITIVITY FUNCTION MEASUREMENT CHART AND METHOD**
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[57] **ABSTRACT**

A novel device and method for determining the contrast sensitivity of a subject is provided and comprises a test chart including a plurality of patches systematically organized in a predetermined array, each patch having a plurality of adjacent patterned areas, at least one of which is a pattern of alternate light and dark regions of predetermined contrast, and the remaining patterned areas are solid gray patterns of predetermined reflectance, each contrast pattern being characterized by a space average reflectance equal to the predetermined reflectance value of the adjacent gray patterned areas. The spatial frequency and contrast of the alternate dark and light regions may be varied in the array of patches. In the method for determining the visual contrast sensitivity of the vision system of a subject, a chart of the invention is displayed to the subject at successively shorter distances, and the greatest distance at which the subject can resolve each contrast pattern is determined and recorded.

12 Claims, 3 Drawing Figures

