

[54] **AUTOMATIC ELECTRONIC READING PATTERN ANALYZER**

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[58] Field of Search ..... **351/6, 7, 39; 250/209**

[56] **References Cited**

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[57] **ABSTRACT**

A subject's eye movement, while reading, is monitored by a photoelectric sensing device. The input from the photoelectric sensor comprises a signal, the amplitude of which is a direct function of the position of the subject's eye. The differences in successively sampled signals are compared to provide an indication of the character of each eye movement, such as normal advancements, fixations, regressions and return sweeps, which are the primary characteristic eye motions during reading. The invention employs means for analyzing automatically and electronically, the outputs from the photosensors and means for directly and immediately presenting the analyzed data in readable alpha-numeric form.

**13 Claims, 6 Drawing Figures**

