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(54) Title: OCULAR ABERRATION CORRECTION TAKING INTO ACCOUNT FLUCTUATIONS DUE TO BIOPHYSICAL RHYTHMS

(57) Abstract: The invention provides correction of wavefront aberrations of the eye that take into account fluctuations in the aberrations due to biophysical rhythms. Correction is provided for an intermediate value of these fluctuations of the wavefront aberrations. This intermediate value is determined by extrapolating a wavefront measurement to predict the overall variation. The final correction is determined using a weighting scheme derived from the clinical comparisons of the frequency and amplitude components of the variations.

WO 02/45577 A1