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(54) Title: METHOD FOR AUTOMATIC CORRECTION OF ASTIGMATISM

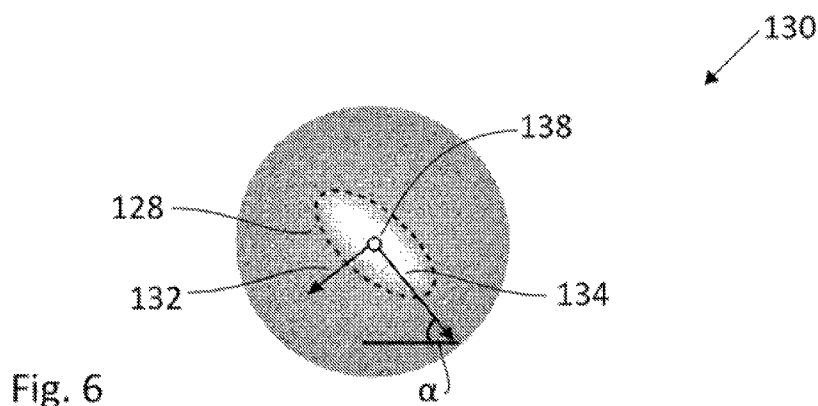


Fig. 6

(57) Abstract: The method is for automatic astigmatism correction of a lens system. A first image (96) is provided that is not in focus at a first stigmator setting of a set of lenses. A calculating device calculates a corresponding first Fourier spectrum image (312). A distribution and direction of pixels of the Fourier spectrum image (128, 130, 312) are determined by calculating a first vector (132) and a second vector (134). The first vector (132) is compared with the second vector (134). The lens system is changed from a first stigmator setting to a second stigmator setting to provide a second image (98). A corresponding Fourier spectrum image (314) is calculated. The distribution and direction of pixels of the second Fourier spectrum image (314) is determined by calculating a third vector and a fourth vector. The third vector is compared to the fourth vector. The image that has the lowest vector ratio is selected.



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