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(54) Title: DETERMINING PHYSICAL LENGTHS IN AN EYE USING MULTIPLE REFRACTIVE INDICES

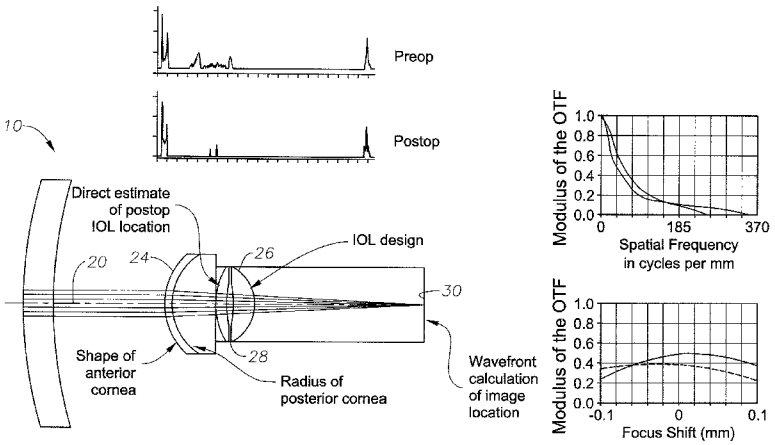


Fig. 1

(57) Abstract: In certain embodiments, determining physical lengths of an eye includes determining an optical length of each segment of a plurality of segments of an axis of the eye, where each segment corresponds to a portion of the eye. A refractive index is determined for each segment. A physical length of each segment is determined according to the optical length and the refractive index of the segment.

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