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Rombach

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(54) **INTRA-OCULAR ARTIFICIAL LENS WITH VARIABLE OPTICAL STRENGTH**

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See application file for complete search history.

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(57) **ABSTRACT**

An intra-ocular artificial lens with variable optical strength, having at least two optical elements, at least two of which are movable relative to each other in a direction extending transversely of the optical axis, wherein the optical elements have a form such that in different positions of the movable optical elements the artificial lens has a different optical strength, wherein the artificial lens has a fixed, positive optical basic strength wherein the variable optical strength caused by the relative movement of the movable elements is added to obtain the total optical strength of the artificial lens. Providing a different form results in the possibility of incorporating the greatest optical power in one of the optical elements. This optical element can then be optimized for the desired optical properties. The remaining optical element or the remaining optical elements can then be dimensioned for variation of the optical strength.

19 Claims, 3 Drawing Sheets

