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**Daxer**

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(54) **CORNEAL IMPLANT AND METHOD FOR CORRECTION OF IMPAIRED VISION IN THE HUMAN EYE**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 150 days.

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**Related U.S. Application Data**

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(51) **Int. Cl.**  
**A61F 2/14** (2006.01)

(57) **ABSTRACT**

(52) **U.S. Cl.**  
CPC ..... **A61F 2/147** (2013.01); **A61F 2/14** (2013.01); **A61F 2/142** (2013.01); **A61F 2/1451** (2015.04)

Corneal implant to be introduced into the optical center (Z) of the cornea of the human eye for the purpose of correcting impaired vision, in particular presbyopia, or presbyopia in combination with hypermetropia or myopia. To propose a corneal implant which is suited for introduction into the optical center (Z) of the human eye, and which may be applied for correcting presbyopia on its own or in combination with hypermetropia or myopia, the effective thickness (d) of the corneal implant (2), measured in the direction of the optical axis (5) of the eye, must be larger than 50 μm and the maximum width (b), measured in a plane perpendicular to the direction of thickness, must be less than 1 mm, the corneal implant (2) having no imaging function in relation to the human eye.

(58) **Field of Classification Search**  
CPC ..... A61F 2/14; A61F 2/142; A61F 2/145; A61F 9/0017; A61F 2/147; A61F 2/1451  
USPC ..... 623/4.1-5.13, 5.16, 6.63  
See application file for complete search history.

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**6 Claims, 9 Drawing Sheets**

