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(54) Title: PRE-FABRICATED CORNEAL TISSUE LENS AND METHOD OF CORNEAL OVERLAY TO CORRECT VISION
(II)

(57) Abstract: This relates to a lens made of donor corneal tissue suitable for use as a contact lens or an implanted lens, to a method of preparing that lens, and to a technique of placing the lens on the eye. The lens is made of donor corneal tissue that is acellularized by removing native epithelium and keratocytes. These cells optionally are replaced with human epithelium and keratocytes to form a lens that has a structural anatomy similar to human cornea. The ocular lens may be used to correct conditions such as astigmatism, myopia, aphakia, and presbyopia.