

Title (en)
CORNEAL ONLAY DEVICES AND METHODS

Title (de)
HORNHAUT-ONLAY-VORRICHTUNGEN UND VERFAHREN

Title (fr)
DISPOSITIFS DE GREFFE DE LA CORNÉE ET PROCÉDÉS

Publication
EP 2296580 A2 20110323 (EN)

Application
EP 09755513 A 20090406

Priority

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Abstract (en)
[origin: WO2009146151A2] A corneal only is configured to adhere to the cornea so as to inhibit epithelial growth under the onlay. Structures can be provided on the onlay to adhere the onlay to the eye. At least one of an epithelial layer or the water inhibiting layer can be provided on or over the onlay, for example a natural epithelial layer or water inhibiting layer that inhibits, for example minimizes, water penetration into the onlay, so as to adhere the onlay to the eye with pumping of the endothelium. The water inhibiting layer may comprise a therapeutic covering positioned over the onlay to inhibit swelling of the cornea. The posterior surface of the onlay may be shaped so as to fit the anterior exposed surface of the cornea.

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