Title: CORNEAL ONLAYS AND WAVEFRONT ABERRATION CORRECTION TO ENHANCE VISION

Abstract: Devices and methods for improving vision are described. The vision of a person can be corrected using a corneal onlay or a lens positioned between an epithelial cell layer and the Bowman's membrane of the person's eye. Wavefront aberrations are measured for the person's eye or eyes, and the aberrations are used to shape the corneal onlay to provide a desired vision correction power, or to shape the person's cornea.
INTERNATIONAL SEARCH REPORT

A.  CLASSIFICATION OF SUBJECT MATTER

IPC:  A61F 2/14( 2006.01);A61B 3/00( 2006.01)

USPC:  351/246,177;604/289;623/5.11
According to International Patent Classification (IPC) or to both national classification and IPC

B.  FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S.: 351/205,246,159,160R,177;604/289,290,294;606/4,5;623/4.1,5.11

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C.  DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search
06 June 2006 (06.06.2006)

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201

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Authorized officer
John R. Sanders
Telephone No. (703) 308-0858

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