

1) Family number: 30046879 (US2002186344A)

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Title: Orthokeratology and bi-focal contact lens

Abstract: A contact lens is fitted to a cornea of a patient's eye to gradually alter the patient's cornea during continued wear to reshape the cornea to reduce the hyperopia and/or presbyopia condition. The contact lens has a plurality of zones that includes one or two optical zones, a plateau zone, a fitting zone, an alignment zone and a peripheral zone. The one or more optical zones are utilized to redistribute cornea tissue to cause the cornea to have a steepened central portion surrounded by a flat mid-peripheral ring. The plateau zone helps steepening the central cornea by two ways: a positive molding effect of pushing the cornea tissue inward to pile up and a negative molding effect to flatten the mid-peripheral cornea for enhancing.

Classifications:

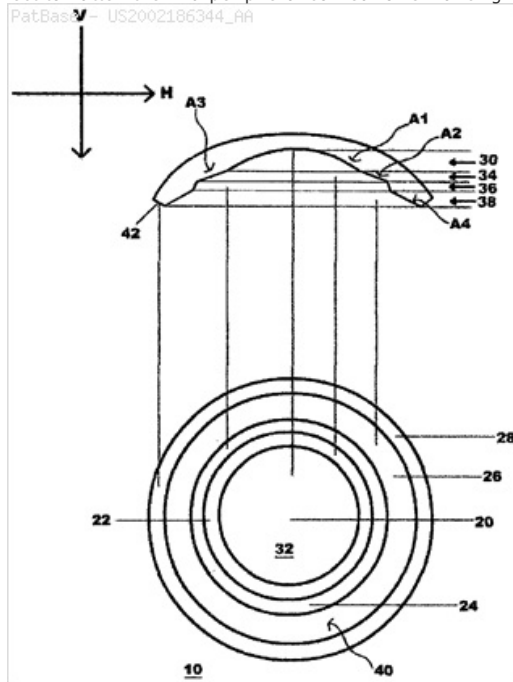
International (IPC 8-9): A61B3/00 A61B3/10 A61B3/14 A61F9/00 A61F9/013 G02C7/02 G02C7/04 G02C7/06 (Advanced/Invention); G02C7/04 (Advanced/Non-invention); A61B3/00 A61B3/10 A61B3/14 G02C7/02 G02C7/04 (Core/Invention)

International (IPC 1-7): A61B18/18 G02C7/04

CPC: A61F9/0017 G02C7/041 G02C7/047

European: A61F9/00B2 G02C7/04B G02C7/04F

US: 351/159.1 351/159.100P 351/159.23 351/159.230P 351/159.41 351/159.410P 351/159.74 351/160.00R 351/160R 351/161 351/161P 351/177 351/205 351/206

**Family:**

Publication number	Publication date	Application number	Application date
AT475115 E	20100815	AT20030784950T	20030806
AU2002228644 AA	20020527	AU20020228644	20011114
AU200228644 A1	20020527	AU20020028644	20011114
AU200228644 A5	20020527	AU20020028644	20011114
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IN00494DN2007 A	20070817	IN2007DN00494	20070118
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WO06014681 B1	20060511	WO2005US25654	20050720

Priority:

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WO2003US24624 20030806 US20040895692 20040720 US20040024141 20041227
WO2005US25654 20050720 US20060352860 20060213

Probable Assignee: GLOBAL OK VISION INC

Assignee(s): (std): GLOBAL OK VISION INC ; HSIAO CHING TUNG ; TUNG HSIAO CHING

Inventor(s): (std): HSIAO CHING TUNG ; TUNG HSIAO CHING

Agent(s): PATENT ATTORNEY SERVICES; OYEN WIGGS GREEN AND MUTALA LLP; PLOUGMANN AND VINGTOFT A S; YAMASAKI YUKUZO; AKAMATSU TOSHIAKI; SHIROGANE HIROSHI; SUGIYAMA NAOTO; PHILIP K YU; EAST IP GROUP; PHILIP K; YU PHILIP K

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

2) Family number: 45028946 (US2010128224A)

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Title: CONTACT LENS FOR KERATOCONUS

Abstract: The present invention is directed to a non-deforming contact lens for keratoconus patients comprising a central zone having a displaced central zone. In particular, the central zone is displaced from the geometric center of the lens. The shape of the central zone is egg or spoon-shaped and is rotationally asymmetrical with one semi-meridian that is shorter than a corresponding semi-meridian. An intermediate transition zone is formed integral with the periphery of the central zone, and a peripheral zone is formed integral with the periphery of the intermediate transition zone, forming a round contact lens.

Classifications:

International (IPC 8-9): A61B3/107 G02C7/00 G02C7/02

G02C7/04 (Advanced/Invention);

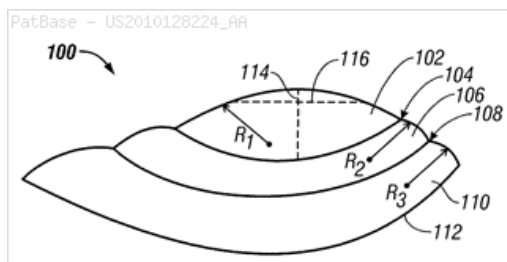
A61B3/00 (Advanced/Non-invention);

A61B3/107 G02C7/04 (Core/Invention)

CPC: G02C7/049 G02C2202/04 G02C7/047 G02C7/04

European: G02C7/04 S02C202/04

US: 351/159.06 351/159.06S 351/159.14 351/159.23 351/159.73 351/160R 351/161 351/161S 351/247 351/247P



Family:

Publication number	Publication date	Application number	Application date
US2010128224 AA	20100527	US20080324569	20081126
US2012105804 AA	20120503	US20110304246	20111123
US2015092154 AA	20150402	US20140565271	20141209
US8083346 BB	20111227	US20080324569	20081126
US8936362 BB	20150120	US20110304246	20111123
US9551883 BB	20170124	US20140565271	20141209

Priority:

US20080324569 20081126 US20110304246 20111123 US20140565271 20141209

Probable Assignee: VICOH LLC

Assignee(s): (std): LEGERTON JEROME A ; LIGUORI MAN ; VICOH LLC

Assignee(s): LIGUORI MANAGEMENT

Inventor(s): (std): LEGERTON JEROME A

Agent(s): SHEPPARD MULLIN RICHTER AND HAMPTON LLP; DAVID E

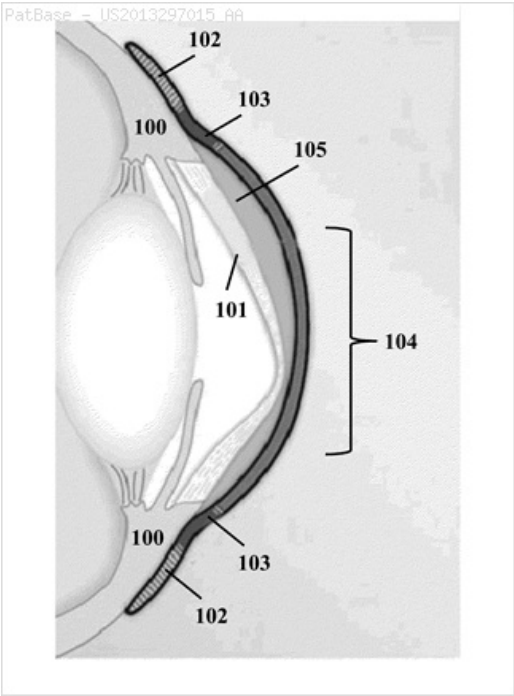
3) Family number: 55114979 (US2013297015A)

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Title: CUSTOMIZED WAVEFRONT-GUIDED METHODS, SYSTEMS, AND DEVICES TO CORRECT HIGHER-ORDER ABERRATIONS

Abstract: Methods and systems for manufacturing a wavefront-guided scleral lens prosthetic device customized for an eye of a patient include obtaining a first scleral lens prosthetic device with a central optic zone configured to vault over the eye's cornea and a peripheral haptic zone configured to align with the eye's sclera, collecting measurements of any offset and/or rotation of the first scleral lens prosthetic device relative to the eye's pupil and of any aberrations, particularly higher-order aberrations, generating a wavefront-guided profile from the measurements, and fabricating a second scleral lens prosthetic device with the profile on a surface of a central optic zone configured to vault over the eye's cornea and a peripheral haptic zone customized to align with the eye's sclera.

Classifications:
International (IPC 8-9): A61F2/14 A61F2/16 B24B13/00 B29D11/00 G02C7/02 G02C7/04 (Advanced/Invention)
CPC: A61F2/14 A61F2240/002 B24B13/0025 G02C7/04 G02C2202/22 B29D11/00105 B29D11/00961 G02C7/021 G02C7/027 G02C7/047
US: 1/1 351/159.23 351/159.74 623/4.1



Family:

Publication number	Publication date	Application number	Application date
US2013297015 AA	20131107	US20130889187	20130507
US2017102557 AA	20170413	US20160384871	20161220
US9554889 BB	20170131	US20130889187	20130507
WO13169812 A1	20131114	WO2013US39993	20130507

Priority:

US20120643749P 20120507 US20130889187 20130507 US20160384871 20161220

Probable Assignee: BOSTON FOUNDATION FOR SIGHT

Assignee(s): (std): BOSTON FOUND FOR SIGHT ; BOSTON FOUNDATION FOR SIGHT ; JOHNS LYNETTE ; JOHNS LYNETTE K ; TOMASHEVSKAYA OLGA ; UNIV ROCHESTER ; YOON GEUN YOUNG

Assignee(s): OF ROCHESTER UNIV

Inventor(s): (std): TOMASHEVSKAYA OLGA ; YOON GEUN YOUNG ; JOHNS LYNETTE K ; JOHNS LYNETTE ; YOON GEUNYOUNG

Agent(s): WILMER CUTLER PICKERING HALE AND DORR LLP; DIENER MICHAEL A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 41035321 (US2011299028A)

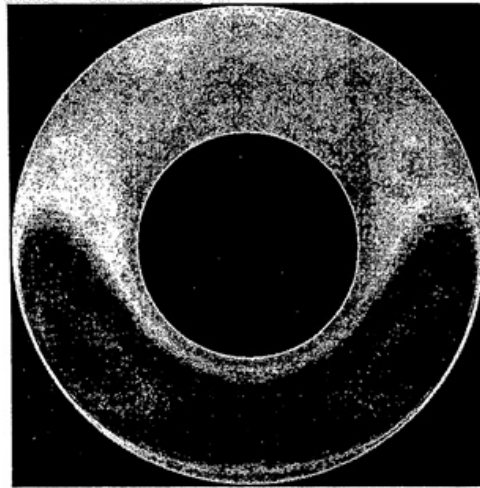
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Title: METHOD OF MAKING A SOFT CONTACT LENS

Abstract: Disclosed is a method of designing a soft contact lens to correct a visual defect in the eye of a human subject caused by abnormal corneal topography, the method comprising the steps of: (a) defining the posterior topography of the lens over at least a central optic zone to conform to that of the subject's cornea as previously determined; (b) defining the posterior topography of the lens over an outer portion to provide a flatter curve than that of the cornea, whilst retaining the previously defined topography over the central optic zone of the lens; (c) using empirical or theoretical data to predict or model the path of light rays passing from the cornea into the contact lens, and thereby adapting the topography of the anterior surface of the contact lens, over at least the central optic zone, to cause the light rays passing through the lens to conform to a desired wavefront (typically planar); and (d) defining the anterior surface of the contact lens over the outer portion to join the anterior optic zone to the posterior outer portion, the anterior surface over the outer portion conveniently comprising one or more thickened regions to confer rotational and/or translational stability on the lens in oculo.

Classifications:

International (IPC 8-9): G02C7/04 (Advanced/Invention); G02C7/04 (Core/Invention)
CPC: G02C7/04 G02C7/028 G02C7/047 G02C7/048
European: G02C7/02D6 G02C7/04 G02C7/04F G02C7/04H
US: 351/159.12 351/159.120P 351/160R 351/177

**Family:**

Publication number	Publication date	Application number	Application date
EP2203780 A1	20100707	EP20080806800	20081024
GB200720965 A0	20071205	GB20070020965	20071025
GB201006523 A0	20100602	GB20100006523	20081024
GB2453993 A1	20090429	GB20070020965	20071025
GB2466598 A1	20100630	GB20100006523	20081024
GB2466598 B2	20120229	GB20100006523	20081024
JP2011501229 T2	20110106	JP20100530565T	20081024
US2011299028 AA	20111208	US20080739030	20081024
WO09053755 A1	20090430	WO2008GB50993	20081024

Priority:

GB20070020965 20071025 WO2008GB50993 20081024

Probable Assignee: CONTACT LENS PRECISION LABORATORIES LTD**Assignee(s):** (std): CLAMP JOHN ; CONTACT LENS PREC LAB LTD ; CONTACT LENS PREC LABRATORIES**Assignee(s):** CONTACT LENS PRECISION LABORATORIES LIMITED ; CONTACT LENS PRECISION LABORATORIES LTD ; CONTACT LENS PRECISION LABRATORIES LIMITED ; CONTACT LENS PRECISION LABRATORIES LTD**Inventor(s):** (std): CLAMP JOHN**Inventor(s):** JOHN CLAMP**Agent(s):** LIPSCOMBE MARTIN JOHN; NAKAMURA GIHEI; SAKAI MASAYUKI; HORII YUTAKA; MORITA TOSHIO; FUKAMI HISAO; LIPSCOMBE MARTIN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 65689807 (US2017139231A)

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Title: TRUNCATED TRANSLATING CONTACT LENS WITH OPTIMIZED PERFORMANCE AND METHOD OF DESIGN

Abstract: Translating contact lenses which are truncated for correcting presbyopia and whose design is optimized to maximize translation ability while maintaining comfort when the lens is worn on eye. Truncation of the lenses results in a non-round geometry while still retaining under-lid residency in select portions of the lens itself. Maximum thickness and back surface radius of curvature along with ramp shape can be optimized individually or in combination to maximize translation of the lens relative to the eye, when the lens is positioned on eye.

Classifications:**International (IPC 8-9):** B29D11/00 G02C G02C7/00 G02C7/02

G02C7/028 G02C7/04 G02C7/043 G02C7/048

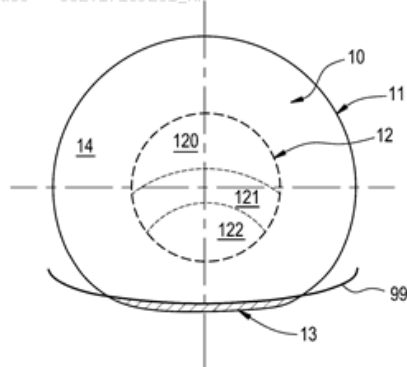
G02C7/06 (Advanced/Invention)

CPC: G02C7/04 B29D11/00057 G02C7/049 G02C7/028 G02C7/041

G02C7/048 G02C7/043

US: 1/1 351/159.19

PatBase - US2017139231_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2016250409 AA	20170601	AU20160250409	20161027

BR102016026563 A2	20170912	BR20161026563	20161111
CA2947718 AA	20170516	CA20162947718	20161107
CN106896522 A	20170627	CN201611030400	20161116
EP3168674 A1	20170517	EP20160198940	20161115
HK1236629 A1	20180329	HK20170110272	20171012
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KR20170057140 A	20170524	KR20160149358	20161110
RU2016144016 A	20180515	RU20160144016	20161109
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RU2671292 C2	20181030	RU20160144016	20161109
SG10201609454R A1	20170629	SG20161009454	20161111
TW201734578 A	20171001	TW20160136986	20161114
US2017139231 AA	20170518	US20150942298	20151116
US2018113324 AA	20180426	US20170848178	20171220
US2019072785 AA	20190307	US20180179113	20181102
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US10379380 BB	20190813	US20180179113	20181102

Priority:

US20150942298 20151116 RU20160144016 20161109 KR20160149358 20161110
JP20160222212 20161115 US20170848178 20171220 US20180179113 20181102

Probable Assignee: JOHNSON AND JOHNSON VISION CARE INC

Assignee(s): (std): JOHNSON AND JOHNSON VISION CARE ; JOHNSON AND JOHNSON VISION CARE INC ; JOHNSON AND JOHNSON VISION CARE TRADING CO LTD

Assignee(s): GERLIGAND PIERRE YVES ; HOFMANN GREGORY J ; JUBIN PHILIPPE F ; ZEINALI DAVARANI SHAHROKH

Inventor(s): (std): JUBIN PHILIPPE ; SHAHROKH ZEINALI DAVARANI ; GREGORY J HOFMANN ; PIERRE YVES GERLIGAND ; PHILIPPE F JUBIN ; GERLIGAND PIERRE YVES ; HOFMANN GREGORY J ; ZEINALI DAVARANI SHAHROKH ; JUBIN PHILIPPE F

Agent(s): FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; CARPMAELS AND RANSFORD LLP; DEACONS; KATO MASANOBU; YURIDICHESKAYA GORODISSKI I PARTNERY OOO FA; DREW AND NAPIER LLC; EVENS CARL J

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

6) Family number: 11707419 (US5880809A)

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Title: Contact lens

Abstract: A contact lens for use with an asymmetric aspherical cornea. The lens includes an anterior surface, a posterior surface and a base. The posterior and anterior surfaces each include a center optical portion and an outer peripheral corneal portion. The posterior surface is divided into a plurality of local surface segments by a plurality of radially extending boundaries that originate from a common center point on the posterior surface of the lens. Each of the local surface segments conforms to the shape of a corresponding local surface portion of the cornea that lies under the respective lens local surface segment when the lens is worn on the eye.

Classifications:

International (IPC 8-9): A61K9/00 G02C7/02

G02C7/04 (Advanced/Invention);

A61K9/00 G02C7/02 G02C7/04 (Advanced/Non-invention);

A61K9/00 G02C7/02 G02C7/04 (Core/Invention)

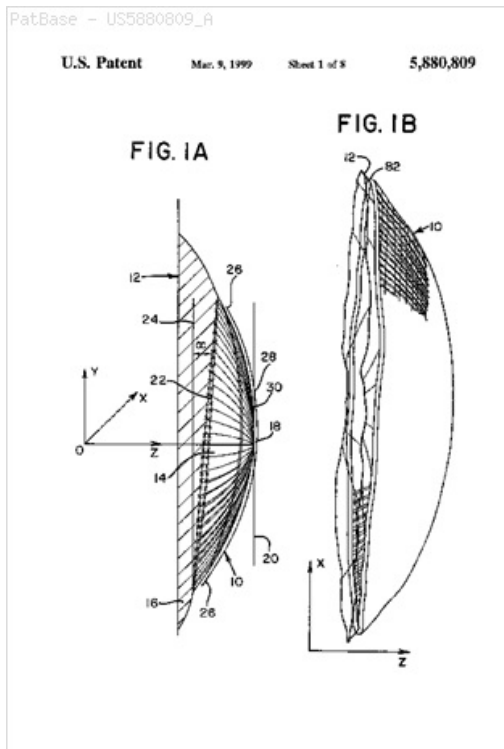
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G02C7/04 G02C7/06 G06F17/50

CPC: G02C7/041 G02C7/047 G02C7/028

European: G02C7/02D6 G02C7/04B G02C7/04F

US: 351/159.02 351/159.2 351/160R 351/177



Family:

Publication number	Publication date	Application number	Application date
AU199723483 A1	19971001	AU19970023483	19970317
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PL328802 A1	19990215	PL19970328802	19970317
US5880809 A	19990309	US19960777470	19961230
US5953098 A	19990914	US19980119617	19980720
WO9734185 A1	19970918	WO1997US05279	19970317

Priority:

US19960618412 19960315 US19960777470 19961230 NZ19970504006 19970317
WO1997US05279 19970317 US19980119617 19980720

Probable Assignee: SCIENTIFIC OPTICS INC

Assignee(s): (std): LIEBERMAN DAVID M ; SCIENT OPTICS ; SCIENT OPTICS INC

Assignee(s): SCIENTIFIC OPTICS INC

Inventor(s): (std): GRIERSON JON ; LIEBERMANN DAVID M ; LIEBERMAN DAVID M ; GRIERSON J

Inventor(s): JON GRIERSON ; DAVID M LIEBERMAN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SANFORD TCOLB AND CO

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG US UZ VN YU

7) Family number: 50780494 (US2012062835A)

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Title: CONTACT LENS AND METHOD OF MANUFACTURE

Abstract: The invention relates to a method of designing a soft contact lens, said lens having a central optic zone and with a peripheral zone around the central optic zone; the method comprising the steps of: (a) defining a back surface of the lens which is a satisfactory fit to the surface of a subject's cornea; (b) defining a front surface of the lens over at least the central optic zone, which surface is selected so as to ameliorate the subject's vision defects; (c) checking that the lens meets a desired range of thickness values at one or more selected parts of the lens and, if not, recalculating the front surface over at least the central optic zone so as to meet said desired thickness value range, wherein the lens is to be made of a substance having a Young's modulus in the range 0.08 to 0.40 MPa, and wherein the junction thickness of the lens is in the range 0.15-0.40 mm.

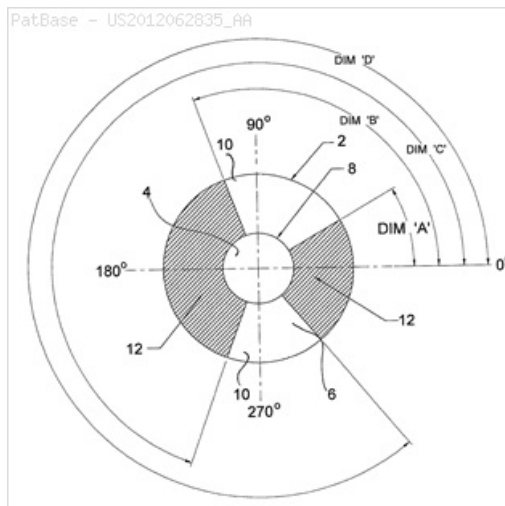
Classifications:

International (IPC 8-9): G02C13/00 G02C7/04 (Advanced/Invention)

CPC: G02C7/047

European: G02C7/04F

US: 351/159.33 351/159.330P 351/159.74 351/159.78 351/160H 351/177



Family:

Publication number	Publication date	Application number	Application date
US2012062835 AA	20120315	US20100879191	20100910
US8317323 BB	20121127	US20100879191	20100910

Priority:

US20100879191 20100910

Probable Assignee: CONTACT LENS PRECISION LABORATORIES LTD

Assignee(s): (std): CLAMP JOHN ; CONTACT LENS PREC LAB LTD ; NEWELL RICHARD GORDON

Assignee(s): CONTACT LENS PRECISION LABORATORIES LIMITED ; CONTACT LENS PRECISION LABORATORIES

LTD

Inventor(s): (std): CLAMP JOHN ; NEWELL RICHARD GORDON

Agent(s): BARNES AND THORNBURG LLP

8) Family number: 15294984 (US6511179B)

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Title: DESIGN OF A SOFT CONTACT LENS BASED UPON NOVEL METHODS OF CORNEAL TOPOGRAPHIC ANALYSIS

Abstract: A method is provided which is used to design soft contact lens via corneal topographic analysis. The topography of the cornea is matched to a corresponding topography of a soft contact lens. A geometrical transformation which maps the corneal elevation onto the back surface of an unflexed soft contact lens is used to minimize errors induced by flexure of the lens. The mapping transformation takes into account the effects of flexure. As a result, the contact lens has a back surface with a curvature which matches the specific elevations of the cornea, while the front surface can be spherical or any desired symmetrical or asymmetrical shape.

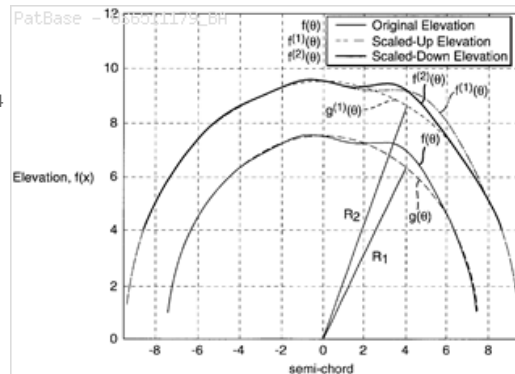
Classifications:

International (IPC 8-9): B29D11/00 G02C7/04 (Advanced/Invention);
B29D11/00 (Advanced/Non-invention);
B29D11/00 G02C7/04 (Core/Invention)

International (IPC 1-7): A61B3/125 B29D11/00 G02C7/02 G02C7/04
CPC: G02C7/04

European: G02C7/04

US: 351/159.74 351/160H 351/177



Family:

Publication number	Publication date	Application number	Application date
AU200070552 A1	20010305	AU20000070552	20000808
AU200070552 A5	20010305	AU20000070552	20000808
AU781181 B2	20050512	AU20000070552	20000808
BRPI0013261 A	20020416	BR2000PI13261	20000808
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CA2378359 AA	20020206	CA20002378359	20000808
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DE60011440 T2	20050623	DE20006011440T	20000808
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EP1206343 B1	20040609	EP20000959191	20000808
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JP4698908 B2	20110608	JP20010515126T	20000808
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WO0110633 A2	20010215	WO2000US21592	20000808
WO0110633 A3	20010823	WO2000US21592	20000808

Priority:

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Agent(s): FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT ATTORNEYS; OGILVY RENAULT LLP SENCRL SRL

Designated states: AT AU BE BR CA CH CN CY DE DK ES FI FR GB GR IE IN IT JP KR LU MC NL PT SE SG

9) Family number: 40966748 (US4883350A)

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Title: Contact lens providing a central spherical region bounded by a circumscribing aspherical region

Abstract: PCT No. PCT/EP86/00269 Sec. 371 Date Dec. 30, 1986 Sec. 102(e) Date Dec. 30, 1986 PCT Filed May 7, 1986 PCT Pub. No. WO86/06848 PCT Pub. Date Nov. 20, 1986. Contact lens (1) comprising a rear contact surface (2) presenting a spherical region described by an arc of a circle passing by the vertex (S). In order to improve the optical properties while improving the adaptability and compatibility, the contact lens (1) presents an aspherical region adjacent to the spherical

region; the curve representing the aspherical region and the arc of a circle representing the spherical region have in the transition a substantially equal curvature radius (R_0) and a substantially equal slope.

Classifications:

International (IPC 8-9): G02C7/04 (Advanced/Invention);

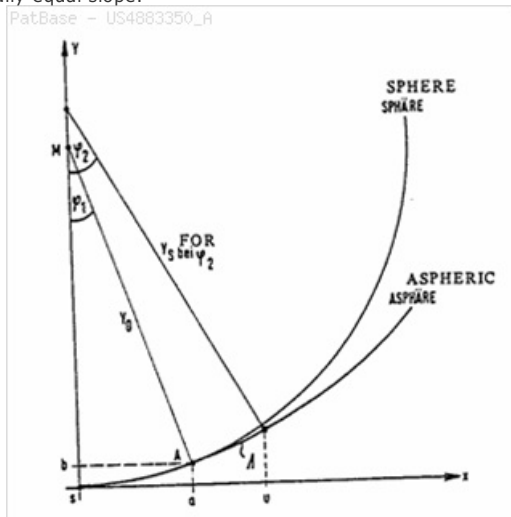
G02C7/04 (Core/Invention)

International (IPC 1-7): G02C7/04

CPC: G02C7/04

European: G02C7/04

US: 351/159.02 351/160R



Family:

Publication number	Publication date	Application number	Application date
AT49664 E	19900215	AT19860903314T	19860507
AU198658196 A1	19861204	AU19860058196	19860507
CA1301499 A1	19920526	CA19860508725	19860508
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JP62502830 T2	19871112	JP19860502759	19860507
US4883350 A	19891128	US19860002714	19861230
WO8606848 A1	19861120	WO1986EP00269	19860507

Priority:

DE19853516575 19850508 EP19860903314 19860507 WO1986EP00269 19860507
DE19863668381 19860507 CA19860508725 19860508

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Agent(s): GOUDREAU GAGE DUBUC

Designated states: AT AU BE CH DE FR GB IT JP LI LU NL SE US

10) Family number: 34243466 (US2007046894A)

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Title: RIGID CONTACT LENS

Abstract: A rigid contact lens is provided for correcting an irregularly curved cornea, comprising a front surface (2) and a rear surface which consists of (3) a central optical zone (4) and a peripheral zone (5). The central optical zone (4) has such an aspherical rotationally symmetric or non-rotationally symmetric design that, with equal central curvature radius in the center (Z) of the central optical zone (4), the sagittal depth (s_{ellip}) of the central optical zone (4) is increased as compared with a spherical optical zone.

Classifications:

International (IPC 8-9): A61F9/00 G02C7/04 (Advanced/Invention);

A61F9/00 G02C7/04 (Core/Invention)

CPC: A61F9/0017 G02C7/04

European: A61F9/00B2 G02C7/04

US: 351/159 351/159.2 351/159.200P 351/160.00H 351/160H 351/160R 351/161

Publication number	Publication date	Application number	Application date
DE502005014539 D1	20141113	DE200550014539T	20050824
EP1757975 A1	20070228	EP20050018424	20050824
EP1757975 B1	20141008	EP20050018424	20050824
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US2007046894 AA	20070301	US20060508330	20060823
US7735997 BB	20100615	US20060508330	20060823

EP20050018424 20050824

Assignee(s): (std): HECHT GMBH KONTAKTLINSEN ; MUCKENHIRN DIETER

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SE SI SK TR YU