



New connection on: : 02-03-2018 : 21:55:00 - Last disconnection on: : 02-03-2018 : 21:54:34

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 6] ..fi

Select a database: ..FI EPODOC

 Database: EPODOC

[EPODOC: SS 6] IMPLANTING AND MESHWORK AND GLAUCOMA

Results in EPODOC 10

[SS 7] SHUNT AND DRAIN AND OCULAR AND PRESSURE

Results in EPODOC 3

[SS 8] DEVICE AND DRAINAGE AND AQUEOUS HUMOR AND EYE

Results in EPODOC 0

EPODOC: term 'AQUEOUS HUMOR' not found in index 'BI'. WARNING(1)

[SS 9] /ic A61B19/00

An opening or closing bracket is missing. ERROR(-101304)

[SS 9] /ic A61B19/00

Results in EPODOC 87.910

[SS 10] DEVICE AND DRAINAGE AND EYE

Results in EPODOC 361

[SS 11] DEVICE AND DREINAGE AND LIQUID AND EYE

Results in EPODOC 0

[SS 12] 10 AND 9

Results in EPODOC 11

[SS 13] ..LI



PN - [US2013006164](#) A1 20130103

PNFP - US9173774 B2 20151103

PR - US201213610536
20120911; US20100748149
20100326

AP - US201213610536 20120911

DT - **

CT - || STSE (B2)
[US3788327](#) A 19740129 [
] (DONOWITZ H, et al)
[US5180632](#) A 19930119 [
] (CARAPACE [US])
[US5626559](#) A 19970506 [
] (UNIV RAMOT [IL])
[US6186974](#) B1 20010213 [
] (UNIV COLLEGE LONDON AND
MOORFI [US])
[US8313454](#) B2 20121120 [
] (YARON IRA [IL], et al)
[US2008228127](#) A1 20080918 [
] (GLAUKOS CORP [US])
[US2011071505](#) A1 20110324 [
] (RICKARD MATTHEW [US], et al)

- || R141 (A1)
[US3788327](#) A [];
[US5180632](#) A [];
[US5626559](#) A [];
[US2008228127](#) A1 [];
[US2011071505](#) A1 [];
[US6186974](#) B1 [];
[US8313454](#) B2 []

CCI - [A61F9/00781](#) ; [A61M27/002](#)

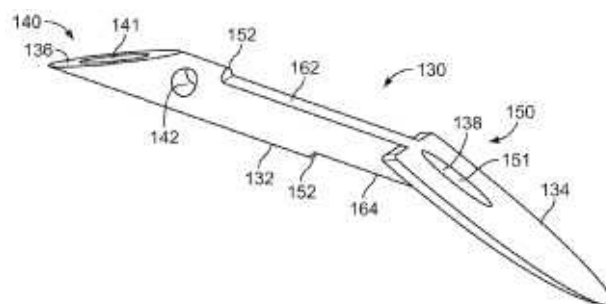
CCA - [Y10T83/0596](#)

PA - (A1)
OPTONOL LTD [IL]; YARON IRA [IL];
NISSAN ODED [IL]; GOREN GAL [IL]

- (B2)
YARON IRA [IL]; NISSAN ODED [IL];
GOREN GAL [IL]; OPTONOL LTD [IL]

TI - (A1 B2)
FLUID **DRAINAGE DEVICE**,
DELIVERY **DEVICE**, AND
ASSOCIATED METHODS OF USE
ANDMANUFACTURE

AB - (A1 B2)
The disclosure provides an
intraocular implant for allowing
fluid flow from the anterior
chamber of an **eye**, the implant
comprising a tube having an
inlet end, an outlet end, and a
tube passage, wherein the inlet
end is adapted to extend into the
anterior chamber of the **eye**, and
wherein the outlet end is
adapted to be implanted
adjacent scleral tissue of



the **eye**. The implant may be adapted to drain aqueous humor into a suprachoroidal space or a juxta-ueal space. The disclosure also provides associated delivery devices, methods of use, and methods of manufacture.

2/11 © EPODOC / EPO

PN - [US2010274259](#) A1 20101028

PNFP - US8313454 B2 20121120

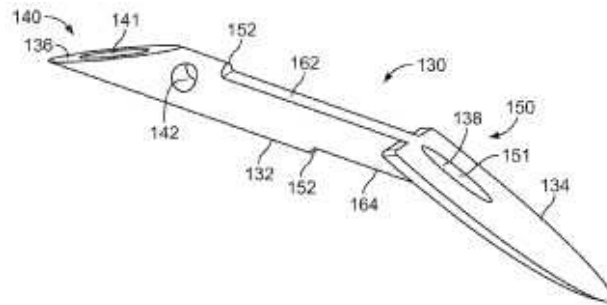
PR - US20100748149
20100326; US20100691176
20100121; US20070952819
20071207; US20020314324
20021209; US20000729050
20001204; US19970975386
19971120

AP - US20100748149 20100326

DT - *; Rep

CT - || STSE (B2)
[US3788327](#) A 19740129 [
] (DONOWITZ H, et al)
[US4968296](#) A 19901106 [
] (RITCH ROBERT [US], et al)
[US5180362](#) A 19930119 [
] (WORST J G F [NL])
[US5626559](#) A 19970506 [
] (UNIV RAMOT [IL])
[US5681275](#) A 19971028 [
] (AHMED ABDUL MATEEN [US])

- || R141 (A1)
[US3788327](#) A [];
[US4968296](#) A [];
[US5180362](#) A [];
[US5626559](#) A [];
[US5681275](#) A [];
[US15192](#) A [];
[US274447](#) A [];
[US733152](#) A [];
[US1388172](#) A [];
[US2431587](#) A [];
[US2555076](#) A [];
[US2867213](#) A [];
[US3159161](#) A [];
[US3272204](#) A [];
[US3310051](#) A [];
[US3333588](#) A [];
[US3421509](#) A [];
[US3530860](#) A [];
[US3589401](#) A [];
[US3884238](#) A [];
[US3890976](#) A [];
[US3913584](#) A [];
[US3915172](#) A [];
[US3938529](#) A [];
[US3957035](#) A [];



[US3976077](#) A [];
[US4037604](#) A [];
[US4142526](#) A [];
[US4153058](#) A [];
[US4175563](#) A [];
[US4290426](#) A [];
[US4299227](#) A [];
[US4303063](#) A [];
[US4402681](#) A [];
[US4457757](#) A [];
[US4474569](#) A [];
[US4521210](#) A [];
[US4526343](#) A [];
[US4538611](#) A [];
[US4554918](#) A [];
[US4563779](#) A [];
[US4578058](#) A [];
[US4587954](#) A [];
[US4598705](#) A [];
[US4604087](#) A [];
[US4634418](#) A [];
[US4645493](#) A [];
[US4660546](#) A [];
[US4692142](#) A [];
[US4722724](#) A [];
[US4750901](#) A [];
[US4750971](#) A [];
[US4751926](#) A [];
[US4781675](#) A [];
[US4787885](#) A [];
[US4808183](#) A [];
[US4813941](#) A [];
[US4826478](#) A [];
[US4863457](#) A [];
[US4886488](#) A [];
[US4909783](#) A [];
[US4915684](#) A [];
[US4934363](#) A [];
[US4936825](#) A [];
[US4942875](#) A [];
[US4946436](#) A [];
[US4959048](#) A [];
[US4964850](#) A [];
[US5000731](#) A [];
[US5041081](#) A [];
[US5053040](#) A [];
[US5064417](#) A [];
[US5071408](#) A [];
[US5073163](#) A [];
[US5092837](#) A [];
[US5098393](#) A [];
[US5098438](#) A [];
[US5106367](#) A [];
[US5109867](#) A [];
[US5127901](#) A [];
[US5139502](#) A [];
[US5147370](#) A [];
[US5167620](#) A [];
[US5171213](#) A [];
[US5171270](#) A [];

	US5178604 A [];
	US5190552 A [];
	US5207660 A [];
	US5217486 A [];
	US5221278 A [];
	US5242449 A [];
	US5283063 A [];
	US5300020 A [];
	US5318558 A [];
	US5322504 A [];
	US5326345 A [];
	US5338291 A [];
	US5342370 A [];
	US5346464 A []
CCI	- A61F9/00781 ; A61M27/002
CCA	- Y10T83/0596
PA	- (A1) OPTONOL LTD [IL]
	- (B2) YARON IRA [IL]; NISSAN ODED [IL]; GOREN GAL [IL]; OPTONOL LTD [IL]
TI	- (A1 B2) FLUID DRAINAGE DEVICE , DELIVERY DEVICE , AND ASSOCIATED METHODS OF USE ANDMANUFACTURE
AB	- (A1 B2) The disclosure provides an intraocular implant for allowing fluid flow from the anterior chamber of an eye , the implant comprising a tube having an inlet end, an outlet end, and a tube passage, wherein the inlet end is adapted to extend into the anterior chamber of the eye , and wherein the outlet end is adapted to be implanted adjacent scleral tissue of the eye . The implant may be adapted to drain aqueous humor into a suprachoroidal space or a juxta-ueal space. The disclosure also provides associated delivery devices, methods of use, and methods of manufacture.

PN - [WO2004073552](#) A2 20040902

PNFP - WO2004073552 A3 20050421

PR - US20030447999P 20030218

AP - WO2004US04830 20040218

DT - *; Rep

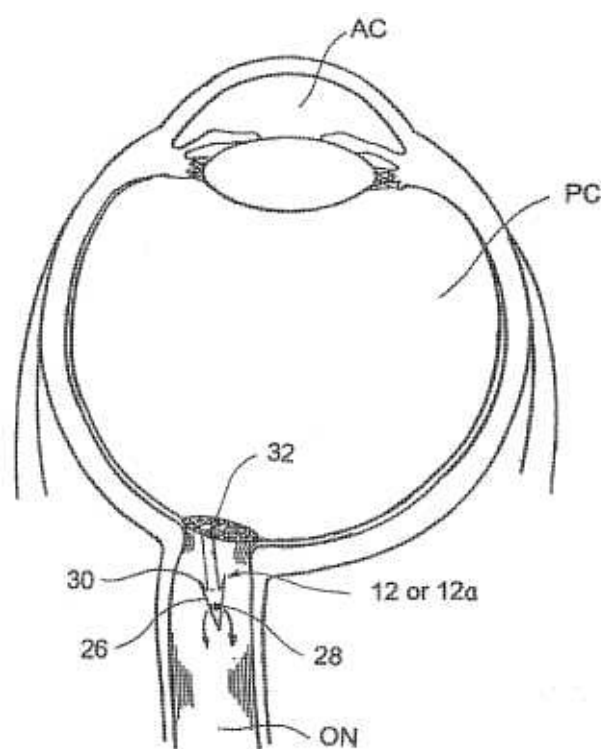
CT - |US| ISR (A3)
[US5266580](#) A 19931130
[Y] (CHIOU GEORGE C Y [US]);
[US5300020](#) A 19940405 [Y] (L
ESPERANCE JR FRANCIS A [US]);
[US5326345](#) A 19940705
[Y] (PRICE JR FRANCIS W [US]);
[US5626559](#) A 19970506
[Y] (SOLOMON ARIE [IL]);
[US6306114](#) B1 20011023
[Y] (FREEMAN C CURTIS [US], et al)

CCI - [A61F9/00781](#)

PA - (A2 A3)
KARAGEOZIAN HAMPAR [US];
QUIROZ-MERCADO HUGO [MX]

TI - (A2 A3)
METHODS AND DEVICES FOR
DRAINING FLUIDS AND LOWERING
INTRAOCULAR PRESSURE

AB - (A2 A3)
Methods, devices and systems
for draining fluid from the **eye**
and/or for reducing intraocular
pressure. A passageway (e.g., an
opening, puncture or incision) is
formed in the lamina cribosa or
elsewhere to facilitate flow
offluid from the posterior
chamber of the **eye** to either a) a
subdural location within the
optic nerve or b) a location
within the subarachnoid space
adjacent to the optic nerve. Fluid
from the posterior chamber then
drains into the optic nerve or
directly into the subarachnoid
space, where it becomes mixed
with cerebrospinal fluid. In some
cases, a tubular member (e.g., a
shunt or stent) may be implanted
in the passageway. A particular
shunt **device** and shunt-
introducer system is provided
for such purpose. A vitrectomy or
vitreous liquefaction procedure
may be performed to remove
some or all of the vitreous body,
thereby facilitating creation of
the passageway and/or
placement of the tubular member
as well as establishing a route
for subsequent **drainage** of
aqueous humor from the



anterior chamber, though the
posterior chamber and
outwardly though the
passageway where it becomes
mixed with cerebrospinal fluid.

4/11 © EPODOC / EPO

- PN - [US6102045](#) A 20000815
- PR - US19970998875 19971224; US19940279506 19940722; US19950570400 19951211
- AP - US19970998875 19971224
- DT - *
- CT - [US3828777](#) A []; [US3915172](#) A [];
[US4060081](#) A []; [US4186184](#) A [];
[US4457757](#) A []; [US4501263](#) A [];
[US4521210](#) A []; [US4554918](#) A [];
[US4722724](#) A []; [US4729761](#) A [];
[US4750901](#) A []; [US4787885](#) A [];
[US4826478](#) A []; [US4853375](#) A [];
[US4886488](#) A []; [US4936825](#) A [];
[US4946436](#) A []; [US4968296](#) A [];
[US5041081](#) A []; [US5073163](#) A [];
[US5085629](#) A []; [US5127901](#) A [];
[US5171213](#) A []; [US5178604](#) A [];
[US5338291](#) A []; [US5370607](#) A [];
[US5391201](#) A []; [US5395356](#) A [];
[US5397300](#) A []; [US5401508](#) A [];
[US5401509](#) A []; [US5401510](#) A [];
[US5520631](#) A []; [US5704907](#) A []
- CTNP - [] Abstract entitled Effect of Cellulose Membrane Implants on
Glaucoma Filtration Surgery in Rabbits in vol. 35, No. 4
of Investigative Ophthalmology and Visual Science and
Abstract Submission Form
- CCI - [A61F9/00781](#)
- PA - PREMIER LASER SYSTEMS INC [US]
- TI - Method and apparatus for lowering the intraocular pressure of an **eye**
- AB - A method and apparatus for lowering the intraocular pressure of an **eye** are provided.
The apparatus is a filtering implant comprising a cellulosic membrane adapted to
extend from the anterior chamber of the **eye** through an opening in the limbus corneae
to a **drainage** area beneath a scleral flap. In its most preferred embodiment, the
cellulosic membrane consists essentially of a homopolymer of glucose units connected
in a 1,4'- beta linkage. The implant is of a planar, generally rectangular shape. The
method involves preparing and implanting the **device** within the **eye** such that it
extends from the anterior chamber of the **eye** through an opening in the limbus corneae
to a **drainage** area beneath a scleral flap.

5/11 © EPODOC / EPO

PN - [US2001053873](#) A1 20011220

PNFP - US6764439 B2 20040720

PR - CH20000002055
20001020; WO2000CH00627
20001123; DE1999156515
19991124; DE1999156517
19991124

AP - US20010902850 20010711

DT - **

CT - || STSE (B2)
[US4854302](#) A 19890808 [] (ALLRED III JIMMIE B [US])
[US5275607](#) A 19940104 [] (LO THOMAS Y [US], et al)
[US5480409](#) A 19960102 [] (RIZA EROL D [US])
[US6221007](#) B1 20010424 [] (GREEN PHILIP S [US])
- || R141 (A1)
[US5480409](#) A []

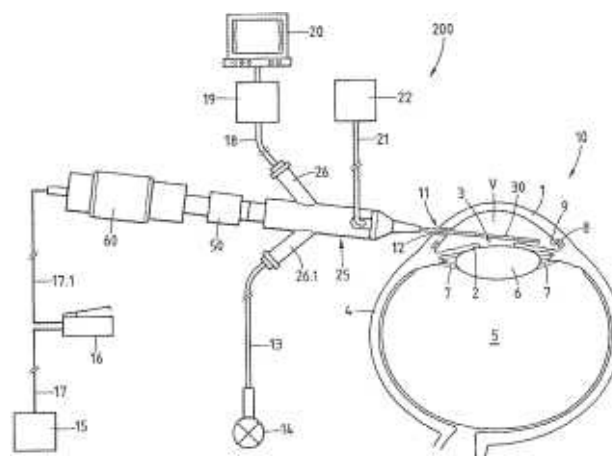
CCI - [A61F9/00781](#)

CCA - [A61B1/00193](#) ; [A61B1/018](#) ;
[A61B1/042](#) ; [A61B17/32002](#) ;
[A61B17/3201](#) ;
[A61B2017/22077](#) ;
[A61B2017/305](#) ;
[A61B2017/3445](#) ;
[A61B2090/3614](#)

PA - (B2)
GRIESHABER & CO AG [CH]

TI - (A1 B2)
Device for improving **drainage** of the aqueous humor within the **eye** of a living being

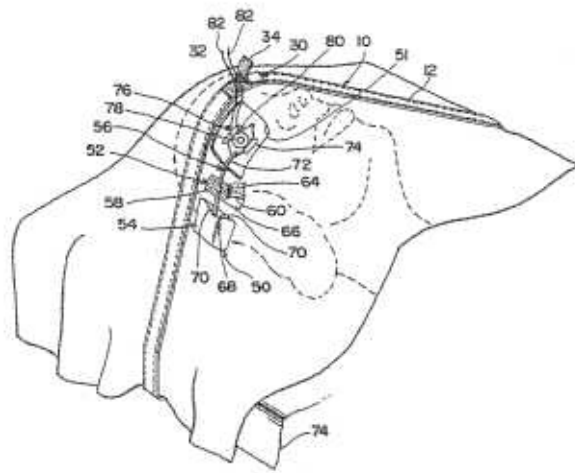
AB - (A1 B2)
A **device** is disclosed for ophthalmologic microsurgery for improving the **drainage** of the aqueous humor in the **eye** of a living being, wherein the **device** has an endoscope connected to a monitor screen and includes a tube-shaped probe adapted for insertion into an **eye**, and one or more channels co-axially disposed therein and provided with optical elements for focusing and transmitting images from the viewing field in the **eye**, and wherein the probe houses a surgical tool which is movable in axial direction and about the longitudinal axis so that by means of the oscillating and/or vibrating tool a passageway can be opened in the tissue of the trabecular meshwork for connecting the



anterior chamber with the
Schlemm's canal.

6/11 © EPODOC / EPO

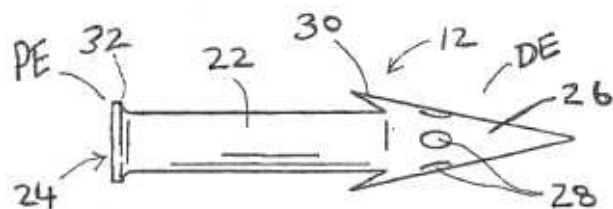
- PN - [US5361780](#) A 19941108
- PR - US19920865531
19920409; US19910808724
19911217
- AP - US19920865531 19920409
- DT - *; Rep
- CT - || STSE (A)
[US2492383](#) A 19491227 [
] (JONES SAMUEL R)
[US3086529](#) A 19630423 [
] (MUNZ MAX M, et al)
[US3190444](#) A 19650622 [
] (KELSON ARTHUR W)
[US3315671](#) A 19670425 [
] (CREELMAN RAYMOND C)
[US3358141](#) A 19671212 [
] (HOFFMANN ERWIN L H, et al)
[US3469268](#) A 19690930 [
] (PHILLIPS WARREN D)
[US3586001](#) A 19710622 [
] (SANDERSON DEWEY S C)
[US3889668](#) A 19750617 [
] (OCHS DAVID J, et al)
[US3897777](#) A 19750805 [
] (MORRISON ROBERT D)
[US4058112](#) A 19771115 [
] (JOHNSON ROBERT M)
[US4108170](#) A 19780822 [
] (SPANN DONALD C)
[US4182322](#) A 19800108 [
] (MILLER LARRY C [US])
[US4299209](#) A 19811110 [
] (BEHRENS JAMES D, et al)
[US4550713](#) A 19851105 [
] (HYMAN FREDERIC E [US])
[US4570628](#) A 19860218 [] (NEAL
RICHARD M [US])
[US4665566](#) A 19870519 [
] (GARROW GERALDINE E [US])
[US4700691](#) A 19871020 [] (TARI
GABOR [HU], et al)
[US4707031](#) A 19871117 [
] (MEISTRELL ROBERT F [US])
[US5015251](#) A 19910514 [
] (CHERUBINI JULIAN H [US])
[US5020533](#) A 19910604 [
] (HUBBARD VANCE M [US], et al)
[US5027833](#) A 19910702 [
] (CALKIN CARSTON R [US])
[US5038798](#) A 19910813 [
] (DOWDY RICHARD C [US], et al)
[US5042507](#) A 19910827 [
] (DOWDY RICHARD C [US])
[US5081665](#) A 19920114 [
] (KOSTICH JEFFREY V [US])



	GB725072 A 19550302 [] WO8101513 A1 19810611 [] (BASHAW R [US])
CCI	- A61M25/02 ; A61B46/00
CCA	- A61B2017/0496 ; A61M2025/0206 ; A61M2025/0213 ; A61M2025/026 ; A61B2046/236
PA	- KELLAN ROBERT E [US]
TI	- Head stabilizer and superior rectus bridle suture fixator device and drainage device for use in eye surgery and methods therefor
AB	- A surgical drape and head stabilizer device includes a surgical drape and a strap made or assembled as part of the surgical drape to be secured laterally around the head of a patient lying in a supine position on an operating table and around the operating table to hold the patient's head in a stabilized, non-moving position during eye surgery. The drape or strap carries a fixation surface to be disposed along the patient's forehead for fixating a superior rectus bridle suture with controlled tension to optimally position the eye for surgery while allowing the tension and fixation site for the superior rectus bridle suture to be adjusted during surgery to reposition the eye . A surgical drape and drainage device includes a surgical drape, a fluid collection bag on the surgical drape, a drain for communicating with the eye and the fluid collection bag to drain excess fluid from the eye into the fluid collection bag and a drain holder on the drape for releasably securing the drain.

7/11 © EPODOC / EPO

PN	- US2004254517 A1 20041216
PNFP	- US7354416 B2 20080408
PR	- US20040781343 20040218; US20030447999P 20030218
AP	- US20040781343 20040218
DT	- **
CT	- STSE (B2)



[US3788327](#) A 19740129 [] (DONOWITZ H, et al)
[US4402681](#) A 19830906 [] (HAAS JOSEPH S, et al)
[US4490351](#) A 19841225 [] (CHILDRENS HOSP MEDICAL CENTER [US])
[US5171231](#) A 19921215 [] (VYGON GMBH & CO KG [DE])
[US6610292](#) B2 20030826 [] (ISTA PHARMACEUTICALS INC [US])
[US6863073](#) B2 20050308 [] (ALCON LAB INC [US])

- || R141 (A1)
[US3788327](#) A [];
[US6863073](#) B2 [];
[US5300020](#) A [];
[US5626559](#) A [];
[US5326345](#) A [];
[US6610292](#) B2 [];
[US4402681](#) A [];
[US6306114](#) B1 [];
[US5266580](#) A [];
[US4490351](#) A [];
[US5171231](#) A []

CCI

- [A61F9/00781](#)

TI

- (A1 B2)
Methods and devices for draining fluids and lowering intraocular pressure

AB

- (A1 B2)
Methods, devices and systems for draining fluid from the **eye** and/or for reducing intraocular pressure. A passageway (e.g., an opening, puncture or incision) is formed in the lamina cribosa or elsewhere to facilitate flow of fluid from the posterior chamber of the **eye** to either a) a subdural location within the optic nerve or b) a location within the subarachnoid space adjacent to the optic nerve. Fluid from the posterior chamber then drains into the optic nerve or directly into the subarachnoid space, where it becomes mixed with cerebrospinal fluid. In some cases, a tubular member (e.g., a shunt or stent) may be implanted in the passageway. A particular shunt **device** and shunt-introducer system is provided for such purpose. A vitrectomy or vitreous liquefaction procedure may be performed to remove some or all of the vitreous body,

thereby facilitating creation of the passageway and/or placement of the tubular member as well as establishing a route for subsequent **drainage** of aqueous humor from the anterior chamber, though the posterior chamber and outwardly though the passageway where it becomes mixed with cerebrospinal fluid.

8/11 © EPODOC / EPO

PN - [US5832930](#) A 19981110

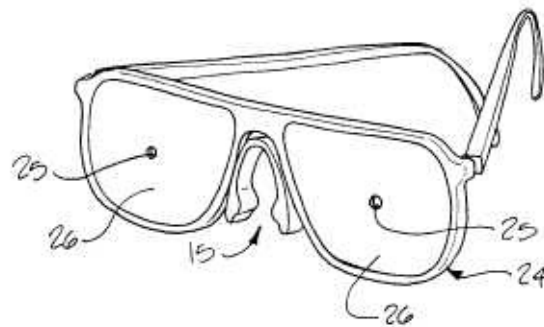
PR - US19940320858
19941011; US19960622429
19960325

AP - US19960622429 19960325

DT - *

CT - [US186422](#) A []; [US580954](#) A [];
[US598467](#) A []; [US2015617](#) A [];
[US2274997](#) A []; [US2488616](#) A [];
[US2620793](#) A []; [US2757665](#) A [];
[US3949750](#) A []; [US4033342](#) A [];
[US4915684](#) A []; [US5515872](#) A []

CTNP - [] Lally, Steven, The Case of the Non Perspiring Perambulator; Perspiration Dysfunction; Includes Related Article on Eye Drop Side Effects ; Prevention, vol. 42; No. 8, p. 120; ISSN: 0032 8006 Aug. 1990
[] Herrick; Collagen Implants Said to Help DX of Keratoconjunctivitis Sicca ; Ophthalmology Times ; vol. 10, No. 23; Dec. 1, 1985
[] Urtti et al; Minimizing Systemic Absorption of Topically Administered Ophthalmic Drugs ; Therapeutic Review, Survey of Ophthalmology ; vol. 37, No. 6; May Jun. 1993; pp. 435 456
[] Collignon; Cardiovascular and Pulmonary Effects of Beta Blocking Agents: Implications for Their Use in Ophthalmology (Summary) ; Survey of Ophthalmology ; vol. 33, Supplement, Apr. 1989; pp. 455 456
[] Muenzler; The Dry Eye A Working Outline of Etiology,



Symptoms, Diagnosis, and Treatment; Geriatric Ophthalmology ; Jan. Feb. 1986

[] Gerber et al; Systemic Drug Interactions With Topical Glaucoma Medications ; Survey of Ophthalmology ; vol. 35, No. 3; Nov. Dec. 1990; pp. 205 218

[] Huang et al; Punctal Occlusion and Topical Medications for Glaucoma ; American Journal of Ophthalmology ; Feb. 1989; pp. 151 154

[] Physicians Desk Reference for Non prescription Drugs ; 14 Edition; 1993; pp. 697 699

[] Weder et al; Contemporary Antihypertensive Therapy ; Survey of Ophthalmology ; vol. 32, No. 3; Nov. Dec. 1987

- CCI - [A61B17/1227](#) ; [A61F9/0008](#) ; [A61F9/0026](#) ; [A61F9/00772](#)
- PA - BLOOM & KRETEN [US]
- TI - Clamp for nasolacrimal sac occlusion during administration of ocular medication
- AB - A clamp is placed over the bridge of the nose to apply pressure over the fossa of the nasolacrimal sac, prior to ocular medication to thereby seal the nasolacrimal sac and prevent **drainage** of medicament away from the **eye**. The clamp can be embedded in a flexible molded positioning **device** which has been molded to fit the shape of the bridge of the nose. In an improved embodiment the embedded clamp in a flexible molded positioning **device** is attached to a modified eyeglass frame. In a further embodiment a band to go around the back of the head or around the ears can be attached to the clamp.

PN - [RU2005128634](#) A 20060320

PNFP - RU2361552 C2 20090720

PR - US20030447999P 20030218

AP - RU20050128634 20040218

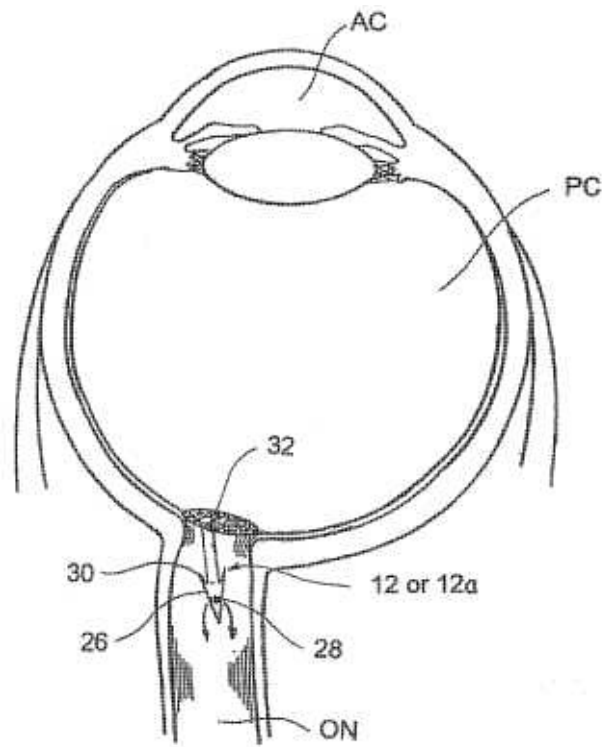
DT - I

CCI - [A61F9/00781](#)

PA - (C2)
KARAGEOZJAN KHAMPAR [US];
KUIROZ-MERKADO KH JUGO [MX]

TI - (C2)
WAYS AND DEVICES
FOR **DRAINAGE** OF LIQUIDS AND
OPHTHALMOTONUS PRESSURE
DROPPING

AB - (C2)
FIELD: medicine. ^ SUBSTANCE:
group of inventions concerns
ways and devices for **drainage** of
an intraocular liquid (IOL) from
the posterior chamber of **eye** in
a tissue of an optic nerve or its
subarachnoid space where it is
admixed with a cerebrospinal
liquid. The inventions can be
used for therapy of diseases
which are characterised by
excessive producing and-or
worsened IOL outflow, and also
vitreoretinal painful conditions.
The way of IOL **drainage** from the
posterior chamber includes
formation of the channel from
this chamber in a tissue or an
optic nerve subarachnoid space.
In some cases the special shunt
can be implanted into the
channel; introduction of the
special **device** is provided for
this purpose. Vitrectomy and-or
synchysis procedure can be
performed for excision of some
part or all vitreous. Thus
creation of the channel and
placing of the shunt for
IOL **drainage** in it from the
posterior chamber is facilitated.
^ EFFECT: simplification of
creation of the channel and
placing of theshunt for
IOL **drainage** from the posterior
chamber in it. ^ 31 cl, 2 dwg



10/11 © EPODOC / EPO

PN - [MXPA05008675](#) A 20060302

PR - US20030447999P 20030218; WO2004US04830 20040218

AP - MX2005PA08675 20040218

DT - I

CCI - [A61F9/00781](#)

PA - KARAGEOZIAN HAMPAR [US]

TI - METHODS AND DEVICES FOR DRAINING FLUIDS AND LOWERING INTRAOCULAR PRESSURE.

AB - Methods, devices and systems for draining fluid from the **eye** and/or for reducing intraocular pressure. A passageway (e.g., an opening, puncture or incision) is formed in the lamina cribosa or elsewhere to facilitate flow of fluid from the posterior chamber of the **eye** to either a) a subdural location within the optic nerve or b) a location within the subarachnoid space adjacent to the optic nerve. Fluid from the posterior chamber then drains into the optic nerve or directly into the subarachnoid space, where it becomes mixed with cerebrospinal fluid. In some cases, a tubular member (e.g., a shunt or stent) may be implanted in the passageway. A particular shunt **device** and shunt-introducer system is provided for such purpose. A vitrectomy or vitreous liquefaction procedure may be performed to remove some or all of the vitreous body, thereby facilitating creation of the passageway and/or placement of the tubular member as well as establishing a route for subsequent **drainage** of aqueous humor from the anterior chamber, through the posterior chamber and outwardly through the passageway where it becomes mixed with cerebrospinal fluid.

11/11 © EPODOC / EPO

PN - [CA2370369](#) A1 20010531

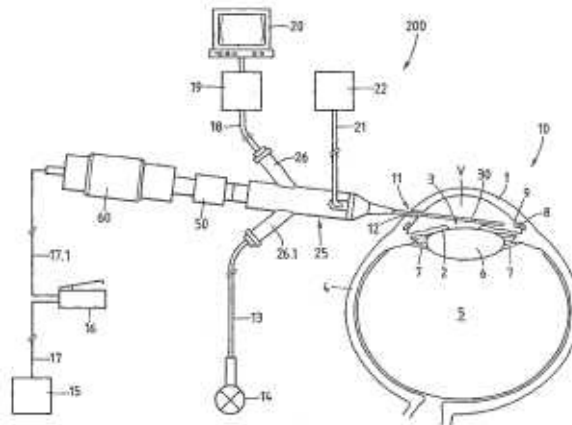
PR - CH20000002055
20001020; WO2000CH00627
20001123; DE1999156515
19991124; DE1999156517
19991124

AP - CA20002370369 20001123

DT - I

CCI - [A61F9/00781](#)

CCA - [A61B1/00193](#) ; [A61B1/018](#) ;
[A61B1/042](#) ; [A61B17/32002](#) ;
[A61B17/3201](#) ;
[A61B2017/22077](#) ;
[A61B2017/305](#) ;
[A61B2017/3445](#) ;
[A61B2090/3614](#)



PA - GRIESHABER & CO AG [CH]

TI - **DEVICE** FOR IMPROVING THE AQUEOUS HUMOUR OUTFLOW IN THE **EYE** OF A LIVING BEING

AB - A **device** is proposed for ophthalmologic microsurgery, in particular for improving the **drainage** of the aqueous humor in the **eye** of a living being. The **device** (200), which comprises an endoscope (25) and which is connected to a monitor screen (20) has a probe with at least a first channel co-axially disposed therein and is provided with optical elements for focusing and transmitting images from the viewing field in the **eye** (10) and wherein the tube-shaped probe (30) is further provided with a working channel which houses a surgical tool

that is axially movable therein for carrying out microsurgery on the tissue of the trabecular meshwork (9) so that by means of the oscillating and/or vibrating tool a passageway for connecting the anterior chamber (V) with the Schlemm's canal (8) can be prepared.

[SS 13] 6 OR 7

Results in EPODOC 13

[SS 14] ..LI

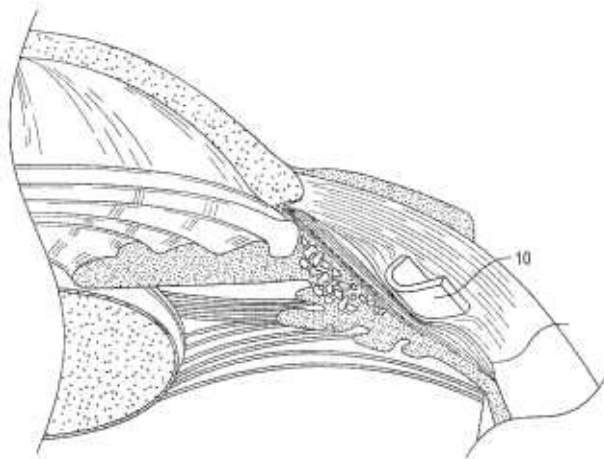


1/13 © EPODOC / EPO

- PN - [US2017253854](#) A1 20170907
- PR - US201715447645 20170302; US201662302483P 20160302
- AP - US201715447645 20170302
- DT - *; Rep
- CCI - [C12N5/0621](#)
- CUI - [A61K9/0048](#) ; [A61K9/0051](#) ; [A61K35/28](#) ; [A61K35/30](#)
- CCA - [C12N2502/1382](#) ; [C12N2506/1384](#) ; [C12N2533/90](#) ; [C12N2502/085](#)
- PA - UNIV OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION [US]
- TI - Use of Adipose-Derived Stem Cells for **Glaucoma** Treatment
- AB - A method of preparing a functional trabecular **meshwork** (TM) cell from adipose-derived stem cells is provided. Methods of treating **glaucoma**, **implanting** trabecular **meshwork** (TM) cells, or repairing or regenerating the aqueous outflow pathway of an eye of a patient also are provided.

2/13 © EPODOC / EPO

- PN - [US2015320598](#) A1 20151112
- PNFP - US9592153 B2 20170314
- PR - US201514645115
20150311; US201461990871P
20140509
- AP - US201514645115 20150311
- DT - *; Rep
- CT - || R141 (A1)
[US2014277051](#) A1 20140918 [
] (SCHACHAR IRA H [US], et al)
- || STSE (B2)
[US2014277051](#) A1 20140918 [
] (SCHACHAR IRA H [US], et al)
- CCI - [A61F9/00781](#)
- CCA - [A61F2210/0076](#) ;
[A61F2210/0023](#) ;
[A61F2230/0013](#) ;
[A61F2210/0014](#)
- PA - (A1 B2)
TYLER THOMAS D [US]
- TI - (A1)
DEVICES AND METHOD FOR



TREATING GLAUCOMA

- (B2)
Devices and method for treating **glaucoma**
- AB - (A1 B2)
A method is described for treating **glaucoma** by surgically **implanting** a shape recoverable member in the sclera of the eye. The shape recovery member is adapted to recover involutely when shape recovery is caused to occur. The bending of the shape recoverable member during its recovery exerts pressure on longitudinal ciliary muscle to supply tension to and open the trabecular **meshwork**. As a result, aqueous humor flows more freely and reduces the intraocular pressure.
- 3/13 © EPODOC / EPO
- PN - [US2014034607](#) A1 20140206
- PNFP - US9180050 B2 20151110
- PR - US201313921765 20130619; US201213555329 20120723; US20050205757 20050816; US20040602110P 20040817
- AP - US201313921765 20130619
- DT - **
- CT - || STSE (B2)
[US3788327](#) A 19740129 [] (DONOWITZ H)
[US5629008](#) A 19970513 [] (LEE CLARENCE C [US])
[US6240962](#) B1 20010605 [] (TAI YU-CHONG [US], et al)
- || R141 (A1)
[US6240962](#) B1 [];
[US3788327](#) A [];
[US5629008](#) A []
- CCI - [A61B3/16](#) ; [A61B5/4836](#) ; [A61B5/6821](#) ; [A61F9/00781](#) ; [F16K99/0009](#) ; [F16K99/0057](#)
- CCA - [A61B2562/0247](#) ; [A61B2562/028](#) ; [A61B2562/12](#) ; [F16K2099/0086](#)
- PA - (A1)
MENG ELLIS FAN-CHUIN [US]; CHEN PO-JUI [US]; RODGER DAMIEN C [US]; TAI YU-CHONG [US]; HUMAYUN MARK S [US]
- (B2)
MENG ELLIS FAN-CHUIN [US]; CHEN PO-JUI [US]; RODGER DAMIEN C [US]; TAI YU-CHONG [US]; HUMAYUN MARK S [US]; CALIFORNIA INST OF TECHN [US]
- TI - (A1 B2)
IMPLANTABLE INTRAOCULARPRESSUREDRAIN
- AB - (A1 B2)
An implanted parylene tube **shunt** relieves intra-ocular **pressure**. The device is implanted with an open end in the anterior chamber of the eye, allowing excess fluid to be drained through the tube out of the eye. In one embodiment, only a first end of the tube implanted into the anterior chamber of the eye is open. Intra-ocular **pressure** (IOP) is then monitored, for example utilizing an implanted sensor. When IOP exceeds a critical value, a practitioner intervenes, puncturing with a laser a thinned region of the tube lying outside the eye, thereby initiating drainage of fluid and relieving **pressure**. In accordance with alternative embodiments, the both ends of the tube are open, and the

tube includes a one-way valve configured to permit drainage where IOP exceeds the critical value. The tube may include projecting barbs to anchor the tube in the eye without the need for sutures.

4/13 © EPODOC / EPO

- PN - [US2012289883](#) A1 20121115
- PNFP - US8585630 B2 20131119
- PR - US201213555329 20120723; US20050205757 20050816; US20040602110P 20040817
- AP - US201213555329 20120723
- DT - **
- CT - || STSE (B2)
[US3788327](#) A 19740129 [] (DONOWITZ H)
[US5626558](#) A 19970506 [] (SUSON JOHN [US])
[US5629008](#) A 19970513 [] (LEE CLARENCE C [US])
[US6471666](#) B1 20021029 [] (ODRICH STEVEN A [US])
[US6508779](#) B1 20030121 [] (SUSON JOHN [US])
- || R141 (A1)
[US6471666](#) B1 []
- CCI - [A61B3/16](#) ; [A61B5/4836](#) ; [A61B5/6821](#) ; [A61F9/00781](#) ; [F16K99/0009](#) ; [F16K99/0057](#)
- CCA - [A61B2562/0247](#) ; [A61B2562/028](#) ; [A61B2562/12](#) ; [F16K2099/0086](#)
- PA - (A1 B2)
MENG ELLIS FAN-CHUIN [US]; CHEN PO-JUI [US]; RODGER DAMIEN [US]; TAI YU-CHONG [US]; HUMAYUN MARK [US]; CALIFORNIA INST OF TECHN [US]
- TI - (A1 B2)
Implantable Intraocular **Pressure Drain**
- AB - (A1 B2)
An implanted parylene tube **shunt** relieves intra-ocular pressure. The device is implanted with an open end in the anterior chamber of the eye, allowing excess fluid to be drained through the tube out of the eye. In one embodiment, only a first end of the tube implanted into the anterior chamber of the eye is open. Intra-ocular pressure (IOP) is then monitored, for example utilizing an implanted sensor. When IOP exceeds a critical valve, a practitioner intervenes, puncturing with a laser a thinned region of the tube lying outside the eye, thereby initiating drainage of fluid and relieving pressure. In accordance with alternative embodiments, the both ends of the tube are open, and the tube includes a one-way valve configured to permit drainage where IOP exceeds the critical value. The tube may include projecting barbs to anchor the tube in the eye without the need for sutures.

5/13 © EPODOC / EPO

- PN - [US8246569](#) B1 20120821
- PR - US20050205757 20050816; US20040602110P 20040817; US20050699695P 20050715
- AP - US20050205757 20050816
- DT - *; Rep
- CT - || STSE (B1)
[US3788327](#) A 19740129 [] (DONOWITZ H, et al)
[US4402681](#) A 19830906 [] (HAAS JOSEPH S, et al)
[US4604087](#) A 19860805 [] (JOSEPH NEIL H [GB])
[US5073163](#) A 19911217 [] (LIPPMAN MYRON E [US])
[US5338291](#) A 19940816 [] (PUDENZ SCHULTE MED RES [US])
[US5370607](#) A 19941206 [] (ANNUIT COEPTIS INC [US])
[US5830173](#) A 19981103 [] (AVERY ROBERT LOGAN [US], et al)
[US5868697](#) A 19990209 [] (OPTONOL LTD [IL])
[US6029672](#) A 20000229 [] (HEARTSTENT CORP [US])
[US6203513](#) B1 20010320 [] (OPTONOL LTD [US])
[US6240962](#) B1 20010605 [] (CALIFORNIA INST OF TECHN [US])
[US6280449](#) B1 20010828 [] (TEKIA INC [US])

[US6294263](#) B1 20010925 [] (TOYO BOSEKI [US])
[US6440164](#) B1 20020827 [] (SCIMED LIFE SYSTEMS INC [US])
[US6558315](#) B1 20030506 [] (AMS RES CORP [US])
[US6605093](#) B1 20030812 [] (TEKIA INC [US])
[US6622872](#) B1 20030923 [] (CALIFORNIA INST OF TECHN [US])
[US6699394](#) B2 20040302 [] (CALIFORNIA INST OF TECHN [US])
[US6881198](#) B2 20050419 [] (BROWN J DAVID [US])
[US7144616](#) B1 20061205 [] (CALIFORNIA INST OF TECHN [US])
[US2002109114](#) A1 20020815 [] (CALIFORNIA INST OF TECHN [US])
[US2003028076](#) A1 20030206 [] (KUYAVA CHARLES C [US], et al)
[US2003120200](#) A1 20030626 [] (BERGHEIM OLAV B [US], et al)
[US2003135149](#) A1 20030717 [] (CULLEN CHERYL [CA], et al)
[US2003232122](#) A1 20031218 [] (CHAPPA RALPH A [US], et al)
[US2004039401](#) A1 20040226 [] (CHOW ALAN Y [US], et al)
[US2004073156](#) A1 20040415 [] (BROWN J DAVID [US])
[US2004111050](#) A1 20040610 [] (SMEDLEY GREGORY [US], et al)
[US2004220510](#) A1 20041104 [] (KOULLICK EDOUARD [US], et al)
[US2005268722](#) A1 20051208 [] (TAI YU-CHONG [US], et al)
[US2006018360](#) A1 20060126 [] (CALIFORNIA INST OF TECHN [US])
[US2007112263](#) A1 20070517 [] (FINK WOLFGANG [US], et al)

- CCI - [A61B3/16](#) ; [A61B5/4836](#) ; [A61B5/6821](#) ; [A61F9/00781](#) ; [F16K99/0009](#) ; [F16K99/0057](#)
- CCA - [A61B2562/0247](#) ; [A61B2562/028](#) ; [A61B2562/12](#) ; [F16K2099/0086](#)
- PA - MENG ELLIS FAN-CHUIN [US]; CHEN PO-JUI [US]; RODGER DAMIEN [US]; TAI YU-CHONG [US]; HUMAYUN MARK [US]; CALIFORNIA INST OF TECHN [US]
- TI - Implantable intraocular **pressure drain**
- AB - An implanted parylene tube **shunt** relieves intra-ocular **pressure**. The device is implanted with an open end in the anterior chamber of the eye, allowing excess fluid to be drained through the tube out of the eye. In one embodiment, only a first end of the tube implanted into the anterior chamber of the eye is open. Intra-ocular **pressure** (IOP) is then monitored, for example utilizing an implanted sensor. When IOP exceeds a critical value, a practitioner intervenes, puncturing with a laser a thinned region of the tube lying outside the eye, thereby initiating drainage of fluid and relieving **pressure**. In accordance with alternative embodiments, the both ends of the tube are open, and the tube includes a one-way valve configured to permit drainage where IOP exceeds the critical value. The tube may include projecting barbs to anchor the tube in the eye without the need for sutures.

PN - [US2008015488](#) A1 20080117

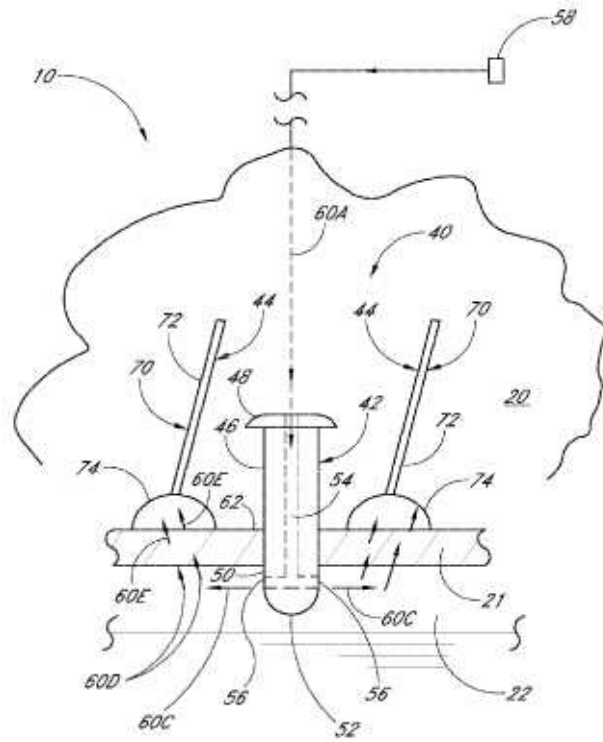
PNFP - US8337445 B2 20121225

PR - US20070860785
20070925; US20050255625
20051021; US20020139800
20020503; US20010288325P
20010503

AP - US20070860785 20070925

DT - **

CT - || R141 (A1)
[US3788327](#) A 19740129 [] (DONOWITZ H);
[US4366582](#) A 19830104 [] (FAULKNER GERALD D [US]);
[US4428746](#) A 19840131 [] (MENDEZ ANTONIO [US]);
[US4634418](#) A 19870106 [] (BINDER PERRY S [US]);
[US4718907](#) A 19880112 [] (KARWOSKI THEODORE [US], et al);
[US5178604](#) A 19930112 [] (BAERVELDT GEORGE [US], et al);
[US5180362](#) A 19930119 [] (WORST J G F [NL]);
[US5486165](#) A 19960123 [] (STEGMANN ROBERT [ZA]);
[US5704907](#) A 19980106 [] (NORDQUIST ROBERT E [US], et al);
[US6168575](#) B1 20010102 [] (SOLTANPOUR DAVID PYAM [US]);
[US6174305](#) B1 20010116 [] (MIKUS PAUL [US], et al);
[US6177427](#) B1 20010123 [] (CLARK ABBOT F [US], et al);
[US2002013546](#) A1 20020131 [] (GRIESHABER HANS R [CH], et al);
[US2002013572](#) A1 20020131 [] (BERLIN MICHAEL S [US]);
[US6342058](#) B1 20020129 [] (PORTNEY VALDEMAR [US]);
[US6981958](#) B1 20060103 [] (GHARIB MORTEZA [US], et al);
[US2031754](#) A 19360225 [] (MILLS BACIGALUPI JOSEPH);
[US4501274](#) A 19850226 [] (SKJAERPE FINN [NO]);
[US4722724](#) A 19880202 [] (SCHOCKET STANLEY [US]);
[US4804382](#) A 19890214 [] (TURINA MARKO [CH], et al);
[US4900300](#) A 19900213 [] (LEE DAVID A [US]);
[US5599534](#) A 19970204 [] (HIMMELSTEIN KENNETH J [US], et al);
[US5601549](#) A 19970211 []



] (MIYAGI KUNIHICO [JP]);
[US5713844](#) A 19980203 [
] (PEYMAN GHOLAM A [US]);
[US5865831](#) A 19990202 [
] (COZEAN COLETTE [US], et al);
[US5868697](#) A 19990209 [
] (RICHTER JACOB [IL], et al);
[US5869468](#) A 19990209 [
] (FREEMAN WILLIAM R [US]);
[US6184250](#) B1 20010206 [
] (KLIMKO PETER G [US], et al);
[US6186974](#) B1 20010213 [
] (ALLAN BRUCE DUNCAN SAMUEL
[GB], et al);
[US6187016](#) B1 20010213 [
] (HEDGES DANIEL G [US], et al);
[US6193656](#) B1 20010227 [
] (JEFFRIES ROBERT E [US], et al);
[US6194415](#) B1 20010227 [
] (WHEELER LARRY A [US], et al);
[US2002026200](#) A1 20020228 [
] (SAVAGE JAMES A [US]);
[US6348042](#) B1 20020219 [
] (WARREN JR W LEE [US]);
[US6517483](#) B2 20030211 [
] (PARK EUN-CHUL [KR], et al);
[US6524275](#) B1 20030225 [
] (LYNCH MARY G [US], et al);
[US2004024345](#) A1 20040205 [
] (GHARIB MORTEZA [US], et al);
[US6696415](#) B2 20040224 [
] (GENDRON ROBERT L [US], et al);
[US2005038334](#) A1 20050217 [
] (LYNCH MARY G [US], et al);
[US2007032734](#) A1 20070208 [
] (NAJAFI NADER [US], et al);
[US4733665](#) A 19880329 [
] (PALMAZ JULIO C [US]);
[US4997652](#) A 19910305 [
] (WONG VERNON G [US]);
[US5092837](#) A 19920303 [
] (RITCH ROBERT [US], et al);
[US5095887](#) A 19920317 [
] (LEON CLAUDE [FR], et al);
[US5098443](#) A 19920324 [
] (PAREL JEAN-MARIE [US], et al);
[US5290295](#) A 19940301 [
] (QUERALS LUIS A [US], et al);
[US5397300](#) A 19950314 [
] (BAERVELDT GEORGE [US], et al);
[US5502052](#) A 19960326 [
] (DESANTIS LOUIS M [US]);
[US5723005](#) A 19980303 [
] (HERRICK ROBERT S [US]);
[US5725529](#) A 19980310 [
] (NICHOLSON JAMES E [US], et
al);
[US5879319](#) A 19990309 [
] (PYNISON JOEL [FR], et al);
[US5882327](#) A 19990316 [

] (JACOB JEAN T [US]);
[US5886822](#) A 19990323 [
] (SPITZER MARK B [US]);
[US6033418](#) A 20000307 [
] (GORDON EUGENE I [US], et al);
[US6033434](#) A 20000307 [
] (BORGHI ENZO [IT]);
[US6197056](#) B1 20010306 [
] (SCHACHAR RONALD A [US]);
[US6201001](#) B1 20010313 [
] (WANG LE [US], et al);
[US6203513](#) B1 20010320 [
] (YARON IRA [IL], et al);
[US2003055372](#) A1 20030320 [
] (LYNCH MARY G [US], et al);
[US2003060752](#) A1 20030327 [
] (BERGHEIM OLAV [US], et al);
[US6530896](#) B1 20030311 [
] (ELLIOTT JAMES B [US]);
[US6533768](#) B1 20030318 [
] (HILL RICHARD A [US]);
[US2004050392](#) A1 20040318 [
] (TU HOSHENG [US], et al);
[US6699211](#) B2 20040302 [
] (SAVAGE JAMES A [US]);
[US6712764](#) B2 20040330 [
] (JEFFRIES ROBERT E [US], et al);
[US2005049578](#) A1 20050303 [
] (TU HOSHENG [US], et al);
[US4583224](#) A 19860415 [] (ISHII
KAZUHIKO [JP], et al);
[US4820626](#) A 19890411 [
] (WILLIAMS STUART K [US], et al);
[US5005577](#) A 19910409 [
] (FRENKEL RONALD E P [US]);
[US5300020](#) A 19940405 [] (L
ESPERANCE JR FRANCIS A [US]);
[US5741333](#) A 19980421 [] (FRID
NOUREDDINE [BE]);
[US5742928](#) A 19980421 [
] (SUZUKI TADASHI [JP]);
[US5743868](#) A 19980428 [
] (BROWN REAY H [US], et al);
[US5893837](#) A 19990413 [
] (EAGLES DANIEL C [US], et al);
[US6045557](#) A 20000404 [
] (WHITE GEOFFREY H [AU], et al);
[US6050970](#) A 20000418 [
] (BAERVELDT GEORGE [US]);
[US6050999](#) A 20000418 [
] (PARASCHAC JOSEPH F [US], et
al);
[US6217895](#) B1 20010417 [
] (GUO HONG [US], et al);
[US6375642](#) B1 20020423 [
] (GRIESHABER HANS R [CH], et al);
[US2003069637](#) A1 20030410 [
] (LYNCH MARY G [US], et al);
[US6544249](#) B1 20030408 [] (YU
DAO-YI [AU], et al);

[US6548078](#) B2 20030415 [] (GUO HONG [US], et al);
[US6726676](#) B2 20040427 [] (STEGMANN ROBERT [ZA], et al);
[US7033603](#) B2 20060425 [] (NELSON KEVIN D [US], et al);
[US5207685](#) A 19930504 [] (CINBERG JAMES Z [US], et al);
[US5516522](#) A 19960514 [] (PEYMAN GHOLAM A [US], et al);
[US5520631](#) A 19960528 [] (NORDQUIST ROBERT E [US], et al);
[US5626558](#) A 19970506 [] (SUSON JOHN [US]);
[US5626559](#) A 19970506 [] (SOLOMON ARIE [IL]);
[US5629008](#) A 19970513 [] (LEE CLARENCE C [US]);
[US6059772](#) A 20000509 [] (HSIA JAMES C [US], et al);
[US6059812](#) A 20000509 [] (CLERC CLAUDE O [US], et al);
[US6060463](#) A 20000509 [] (FREEMAN WILLIAM R [US]);
[US6063116](#) A 20000516 [] (KELLEHER PETER J [US]);
[US6063396](#) A 20000516 [] (KELLEHER PETER JOSEPH [US]);
[US6228873](#) B1 20010508 [] (BRANDT JAMES D [US], et al);
[US6231597](#) B1 20010515 [] (DEEM MARK E [US], et al);
[US6231853](#) B1 20010515 [] (HILLMAN JENNIFER L [US], et al);
[US2003088260](#) A1 20030508 [] (SMEDLEY GREGORY T [US], et al)
- || STSE (B2)
[US2031754](#) A 19360225 [] (MILLS BACIGALUPI JOSEPH);
[US4168697](#) A 19790925 [] (CANTEKIN ERDEM I);
[US5248231](#) A 19930928 [] (BROWNE LAURENCE ANTHONY [GB], et al);
[US5626559](#) A 19970506 [] (SOLOMON ARIE [IL]);
[US5643321](#) A 19970701 [] (MCDEVITT DENNIS [US]);
[US5725529](#) A 19980310 [] (NICHOLSON JAMES E [US], et al);
[US5807302](#) A 19980915 [] (WANDEL THADDEUS [US]);
[US5830171](#) A 19981103 [] (WALLACE RAYMOND G [US]);
[US5868697](#) A 19990209 [] (RICHTER JACOB [IL], et al);
[US6186974](#) B1 20010213 [] (ALLAN BRUCE DUNCAN SAMUEL

	[GB], et al); US6450984 B1 20020917 [] (LYNCH MARY G [US], et al); US6558342 B1 20030506 [] (YARON IRA [IL], et al); US6582453 B1 20030624 [] (TRAN MINH [US], et al)
CCI	- A61F9/00781
CQI	- A61F2/16
CCA	- A61K9/0048
PA	- (A1) GLAUKOS CORP [US] - (B2) TU HOSHENG [US]; SMEDLEY GREGORY T [US]; NIKSCH BARBARA A [US]; HAFFNER DAVID S [US]; GLAUKOS CORP [US]
TI	- (A1) GLAUCOMA IMPLANT WITH DOUBLE ANCHOR MECHANISM - (B2) Ocular implant with double anchor mechanism
AB	- (A1) The invention relates generally medical devices and methods for the treatment of glaucoma in an animal eye and, more particularly, to medical devices and methods for treating tissue of the trabecular meshwork and/or Schlemm's canal of the eye to restore or rejuvenate a portion or all of the normal physiological function of directing aqueous outflow for maintaining a normal intraocular pressure in the eye. - (B2) The invention relates generally to medical devices and methods for the treatment of ocular disorders. One method provides an implant having an inlet portion with a first anchor and an outlet portion with a second anchor. The implant is implanted in tissue of an eye such the implant conducts fluid from an anterior chamber of the eye to a physiological outflow pathway of the eye. The implanting involves positioning the first anchor adjacent eye tissue, positioning the second anchor within the physiological outflow pathway, and deploying the second anchor such that the

second anchor secures the implant within the physiological outflow pathway and a distal end of the second anchor is positioned further into the physiological outflow pathway than an outlet of the outlet portion.

7/13 © EPODOC / EPO

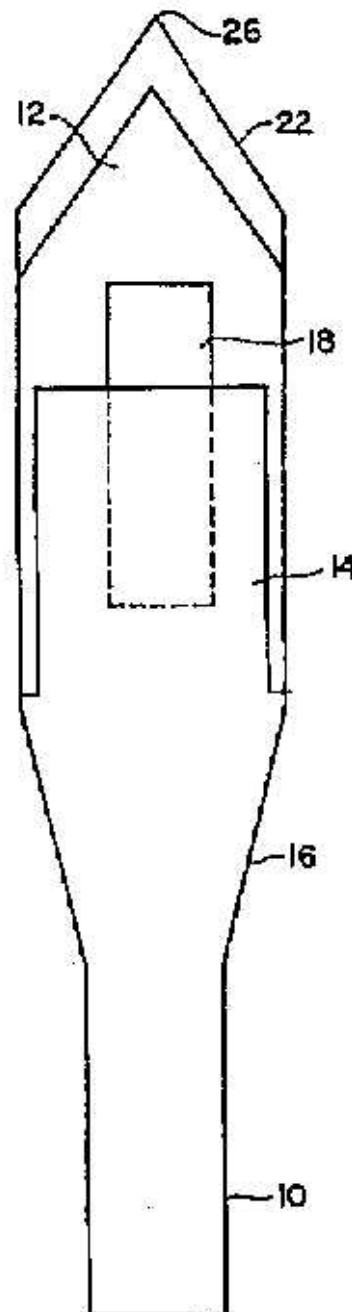
PN - [US5676679](#) A 19971014

PR - US19960663542
19960613; US19940253696
19940603; US19930034870
19930319

AP - US19960663542 19960613

DT - **

CT - || STSE (A)
[US4347091](#) A 19820831 [
] (HAUCK KARL, et al)
[US4402681](#) A 19830906 [
] (HAAS JOSEPH S [US], et al)
[US4424335](#) A 19840103 [
] (SZYCHER MICHAEL [US])
[US4470159](#) A 19840911 [
] (PEYMAN GHOLAM A [US])
[US4580563](#) A 19860408 [
] (GROSS R MICHAEL [US])
[US4617081](#) A 19861014 [
] (BLEAU CHARLES D [US], et al)
[US4722724](#) A 19880202 [
] (SCHOCKET STANLEY [US])
[US4806382](#) A 19890221 [
] (GOLDBERG EUGENE P [US], et al)
[US4909799](#) A 19900320 [
] (THULESIUS OLAV [KW], et al)
[US4936825](#) A 19900626 [
] (UNGERLEIDER BRUCE A [US])
[US4946436](#) A 19900807 [
] (SMITH STEWART G [US])
[US4968296](#) A 19901106 [
] (RITCH ROBERT [US], et al)
[US4969869](#) A 19901113 [
] (BURGIN KERMIT H [US], et al)
[US4986831](#) A 19910122 [
] (KING WENDELL L [US], et al)
[US5037379](#) A 19910806 [
] (CLAYMAN RALPH V [US], et al)
[US5041081](#) A 19910820 [
] (ODRICH RONALD B [US])
[US5041133](#) A 19910820 [
] (SAYANO REIZO [US], et al)
[US5064435](#) A 19911112 [
] (PORTER CHRISTOPHER H [US])
[US5178604](#) A 19930112 [
] (BAERVELDT GEORGE [US], et al)
[US5190555](#) A 19930302 [
] (WETTER LOWELL A [US], et al)



[US5222967](#) A 19930629 [] (CASEBEER J CHARLES [US], et al)
[US5368597](#) A 19941129 [] (PAGEDAS ANTHONY [US])
[US5370650](#) A 19941206 [] (TOVEY H JONATHAN [US], et al)
[FR2638349](#) A1 19900504 []
[SU1718913](#) A1 19920315 [] (KOZLOV VALENTIN I [SU], et al)
[GB2156685](#) A 19851016 [] (HASSE MARGARET HENDERSON, et al)
[WO9112037](#) A1 19910822 [] (AHMED ABDUL MATEEN [US])

CTNP

- || STSE (A)
 [] Dobrogowski, A New
 Glaucoma Filter Implant,
 Ophthalmic
 Surgery, Jul. 1990, pp. 481
 485
 [] Neubauer, Complications
 after Modern Filter Operations in
 Glaucoma, Dev. Ophthal. vol.
 13, 1987 pp. 70 77
 [] Phillipp et al.
 Clinicopathological findings 11
 months
 after implanation . . .
 implant, 1990, 481 486
 [] Samuelson et al.
 Ultrastructural changes in the
 Aqueous . .
 . Glaucoma, Investigative
 Oph. & Visual Science, 1989
 [] Krupin, et al. A long Krupin
 Denver . . . Surgery,
 Ophthalmology 1987, pp.
 1174 1180
 [] Minckler, et al. Clinical
 Experience with the . . .
 Glaucomas, Ophthalmology,
 1988, pp. 1182 1188
 [] Scott, et al, Medical
 Management . . .
 Trabeculectomies,
 Ophthalmology, 1988, pp.
 1169 1173
 [] Allen et al. Filtration
 Surgery . . . Glaucoma,
 Ophthalmology, 1982, pp.
 1181 1187
 [] Ellis, Reduction of
 Intraocular pressure using . . .
 surgery, Plastics for Aqueous
 Drainage, 1959, pp. 733 743
 [] Forestier et al. Reflexions
 sur la chirurgie du glaucome,
 Service de Ophalmogie,
 1984, pp. 85 391
 [] Lloyd et al. Combined

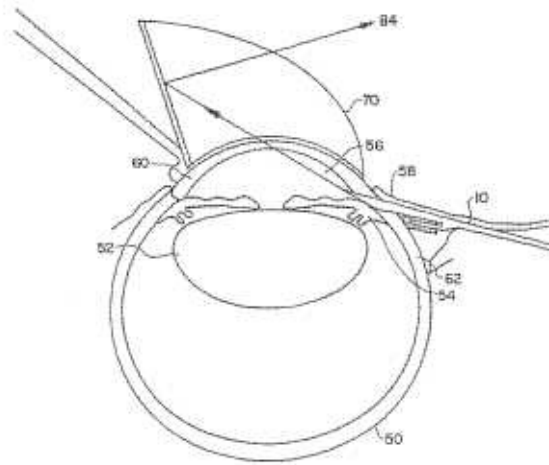
Molteno Implanation . . .
 Glaucomas,
 Ophthalmology, 1991, pp.
 1402 1405
 [] Rockwood et al. Glaucoma
 Filtering Surgery with 5
 Fluorouracil,
 Ophthalmology, 1987, 1071 1078
 [] Richter, Retreatment with
 Argon Laser Trabeculoplasty,
 Ophthalmology, 1987, pp.
 1085 1089
 [] Gross, et al. Surgical
 Therapy of Chronic Glaucoma . . .
 and Pseudophakia,
 Ophthalmology, 1988, pp. 1195
 1201
 [] Cameron et al. Clinico
 histopathologic . . . Implant,
 Ophthalmology, 1988, pp.
 1189 1193
 [] Hitchings, et al. Use of One
 Piece . . . Surgery,
 Ophthalmology, 1987, pp.
 1079 1084
 [] Schocket et al. Anterior
 Chamber Tube . . . Refractory
 Glaucomas, Ophthalmology,
 1985, pp. 553 562
 [] Tomey et al. The Glaucomas
 in Aphakia and Pseudophakia,
 Survey of Ophthalmology,
 1991, pp. 79 112
 [] OptiMed Inc., Glaucoma
 Pressure Regulator, Pamphlet
 [] OptiMed Inc., Molteno
 Implant, Pamphlet
 [] E. Benson Hood
 Laboratories, Krupin Eye Valves,
 For
 Surgical Management . . .
 Glaucomas, Literature 1991
 [] Bae et al, A Membranous
 Drainage Implant in Glaucoma
 Filtering Surgery; Animal
 Trial , Kor. J. Ophthalmol.;
 1988; vol. 2; pp. 49 56

- CCI - [A61F9/00781](#) ; [A61F9/008](#)
 CCA - [A61B17/3213](#) ; [A61F9/00](#) ;
[A61F9/009](#) ; [A61F9/0133](#) ;
[A61F2009/00865](#) ;
[A61F2009/00868](#) ;
[A61F2009/00891](#) ; [A61B90/361](#) ;
[A61B2090/3616](#)
 PA - UNIV MIAMI [US]
 TI - Apparatus for **implanting** an
 artificial **meshwork** in **glaucoma**
 surgery
 AB - A method and device which is

used to insert an implant in order for treating an eye with **glaucoma** in order to lower the intraocular pressure of the eye. The implant is an artificial **meshwork**. The implant is attached to a guide knife which is inserted into the anterior chamber of the eye. The knife is then removed leaving the implant in place. During the operation, a prismatic lens with c-shaped vacuum ring is used to help assist the surgeon in viewing the anterior chamber of the eye and stabilizing the eye.

8/13 © EPODOC / EPO

- PN - [US5651782](#) A 19970729
- PR - US19960663404
19960613; US19940253696
19940603; US19930034870
19930319
- AP - US19960663404 19960613
- DT - **
- CT - || STSE (A)
[US4347091](#) A 19820831 [
] (HAUCK KARL, et al)
[US4402681](#) A 19830906 [
] (HAAS JOSEPH S [US], et al)
[US4424335](#) A 19840103 [
] (SZYCHER MICHAEL [US])
[US4470159](#) A 19840911 [
] (PEYMAN GHOLAM A [US])
[US4617081](#) A 19861014 [
] (BLEAU CHARLES D [US], et al)
[US4722724](#) A 19880202 [
] (SCHOCKET STANLEY [US])
[US4806382](#) A 19890221 [
] (GOLDBERG EUGENE P [US], et al)
[US4909799](#) A 19900320 [
] (THULESIUS OLAV [KW], et al)
[US4936825](#) A 19900626 [
] (UNGERLEIDER BRUCE A [US])
[US4946436](#) A 19900807 [
] (SMITH STEWART G [US])
[US4968296](#) A 19901106 [
] (RITCH ROBERT [US], et al)
[US4969869](#) A 19901113 [
] (BURGIN KERMIT H [US], et al)
[US4986831](#) A 19910122 [
] (KING WENDELL L [US], et al)
[US5041081](#) A 19910820 [
] (ODRICH RONALD B [US])
[US5041133](#) A 19910820 [
] (SAYANO REIZO [US], et al)
[US5064435](#) A 19911112 [
] (PORTER CHRISTOPHER H [US])



[US5178604](#) A 19930112 [
] (BAERVELDT GEORGE [US], et al)
[US5190555](#) A 19930302 [
] (WETTER LOWELL A [US], et al)
[US5368597](#) A 19941129 [
] (PAGEDAS ANTHONY [US])
[US5370650](#) A 19941206 [
] (TOVEY H JONATHAN [US], et al)
[US5486188](#) A 19960123 [
] (SMITH ALAN D [US])
[US5496339](#) A 19960305 [
] (KOEPNICK RUSSELL G [US])
[SU1718913](#) A1 19920315 [
] (KOZLOV VALENTIN I [SU], et al)

CTNP

- || STSE (A)
 [] Lloyd et al, Combined
 Molteno Implanation . . .
 Glaucomas,
 Ophthalmology, 1991, pp.
 1402 1405
 [] Rockwood et al., Glaucoma
 Filtering Surgery with 5
 Fluorouracil,
 Ophthalmology, 1987, 1071 1078
 [] Richter, Retreatment with
 Argon Laser Trabeculoplasty,
 Ophthalmology, 1987, pp.
 1085 1089
 [] Gross, et al, Surgical
 Therapy of Chronic Glaucoma . . .
 and Pseudophakia,
 Ophthalmology, 1988, pp. 1195
 1201
 [] Cameron et al, Clinico
 histopathologic . . . Implant,
 Ophthalmology, 1988, pp.
 1189 1193
 [] Hitchings, et al, Use of One
 Piece . . . Surgery,
 Ophthalmology, 1987, pp.
 1079 1084
 [] Schocket et al, Anterior
 Chamber Tube . . . Refractory
 Glaucomas, Ophthalmology,
 1985, pp. 553 562
 [] Tomey et al, The Glaucomas
 in Aphakia and Pseudophakia,
 Survey of Ophthalmology,
 1991, pp. 79 112
 [] OptiMed Inc., Glaucoma
 Pressure Regulator, Pamphlet
 [] OptiMed Inc., Molteno
 Implant, Pamphlet
 [] E. Benson Hood
 Laboratories, Krupin Eye Valves,
 For
 Surgical Management . . .
 Glaucomas, Literature 1991
 [] Dobrogowski, A New
 Glaucoma Filter Implant,

Ophthalmic
 Surgery, Jul. 1990, pp. 481
 485
 [] Neubauer, Complications
 after Modern Filter Operations in
 Glaucoma, Dev. Ophthal. vol.
 13, 1987 pp. 70 77
 [] Phillipp et al.,
 Clinicopathological findings 11
 months
 after implantation . . .
 implant, 1990, 481 486
 [] Samuelson et al.,
 Ultrastructural changes in the
 Aqueous .
 . . Glaucoma, Investigative
 Oph. & Visual Science, 1989
 [] Krupin, et al, A long Krupin
 Denver . . . Surgery,
 Ophthalmology 1987, pp.
 1174 1180
 [] Minckler, et al, Clinical
 Experience with the . . .
 Glaucomas, Ophthalmology,
 1988, pp. 1182 1188
 [] Scott, et al, Medical
 Management . . .
 Trabeculectomies,
 Ophthalmology, 1988, pp.
 1169 1173
 [] Allen et al, Filtration
 Surgery . . . Glaucoma,
 Ophthalmology, 1982, pp.
 1181 1187
 [] Ellis, Reduction of
 Intraocular pressure using . . .
 surgery, Plastics for Aqueous
 Drainage, 1959, pp. 733 743
 [] Forestier et al., Reflexions
 sur la chirurgie du glaucome,
 Service de Ophthalmologie,
 1984, pp. 85 391

- | | |
|-----|--|
| CCI | - A61F9/00781 ; A61F9/008 |
| CCA | - A61B17/3213 ; A61F9/00 ;
A61F9/009 ; A61F9/0133 ;
A61F2009/00865 ;
A61F2009/00868 ;
A61F2009/00891 ; A61B90/361 ;
A61B2090/3616 |
| PA | - UNIV MIAMI [US] |
| TI | - Method and apparatus
for implanting an
artificial meshwork in glaucoma
surgery |
| AB | - A method and device which is
used to insert an implant in
order for treating an eye
with glaucoma in order to lower
the intraocular pressure of the |

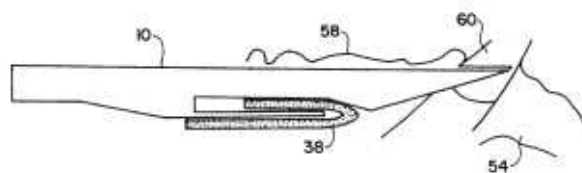
eye. The implant is an artificial **meshwork**. The implant is attached to a guide knife which is inserted into the anterior chamber of the eye. The knife is then removed leaving the implant in place. During the operation, a prismatic lens with c-shaped vacuum ring is used to help assist the surgeon in viewing the anterior chamber of the eye and stabilizing the eye.

9/13 © EPODOC / EPO

- PN - [WO9421443](#) A1 19940929
- PR - US19930034870 19930319
- AP - WO1994US03260 19940314
- DT - **
- CT - |US| ISR (A1)
[US4617081](#) A 19861014 [XY] (BLEAU CHARLES D [US], et al);
[US4347091](#) A 19820831 [Y] (HAUCK KARL, et al);
[US4946436](#) A 19900807 [A] (SMITH STEWART G [US]);
[US5178604](#) A 19930112 [A] (BAERVELDT GEORGE [US], et al);
[US4936825](#) A 19900626 [A] (UNGERLEIDER BRUCE A [US]);
[SU1718913](#) A1 19920315 [A] (MEZHOTRASLEVOJ NT KOMPLEKS MIK [SU])
- CTNP - |US| ISR (A1)
[A] - Ophthalmology, Volume 94, No. 9, September 1987, E.J. ROCKWOOD et al., "Glaucoma Filtering Surgery with 5-Fluorouracil", pages 1071-1078, especially Abstract.,
- CCI - [A61F9/00781](#) ; [A61F9/008](#)
- CCA - [A61B17/3213](#) ; [A61F9/00](#) ; [A61F9/009](#) ; [A61F9/0133](#) ; [A61F2009/00865](#) ;
[A61F2009/00868](#) ; [A61F2009/00891](#) ; [A61B90/361](#) ; [A61B2090/3616](#)
- PA - UNIV MIAMI [US]
- TI - METHOD AND APPARATUS FOR **IMPLANTING** AN ARTIFICIAL **MESHWORK** IN **GLAUCOMA** SURGERY
- AB - A method and device which is used to insert an implant in order for treating an eye with **glaucoma** in order to lower the intraocular pressure of the eye. The implant (38) is an artificial **meshwork**. The implant (38) is attached to a guide knife (10) which is inserted into the anterior chamber (56) of the eye (50). The knife (10) is then removed leaving the implant (38) in place. During the operation, a prismatic lens (74) with c-shaped vacuum ring (70) is used to help assist the surgeon in viewing the anterior chamber of the eye and stabilizing the eye.

10/13 © EPODOC / EPO

- PN - [US5342370](#) A 19940830
- PR - US19930034870 19930319
- AP - US19930034870 19930319
- DT - *; Rep
- CT - || STSE (A)
[US4402681](#) A 19830906 [
] (HAAS JOSEPH S, et al)
[US4424335](#) A 19840103 [
] (THERMO ELECTRON CORP [US])
[US4470159](#) A 19840911 [
] (PEYMAN GHOLAM A)
[US4722724](#) A 19880202 [
]



] (SCHOCKET STANLEY [US])
[US4806382](#) A 19890221 [
] (UNIV FLORIDA [US])
[US4909799](#) A 19900320 [
] (THULESIUS OLAV [KW], et al)
[US4936825](#) A 19900626 [
] (UNGERLEIDER BRUCE A [US])
[US4946436](#) A 19900807 [
] (SMITH STEWART G [US])
[US4986831](#) A 19910122 [
] (ANGEION CORP [US])
[US5041081](#) A 19910820 [
] (ODRICH RONALD B [US])
[US5041133](#) A 19910820 [
] (PHARMACIA AB [SE])
[US5064435](#) A 19911112 [
] (SCHNEIDER USA INC [US])

CTNP

- || STSE (A)
 [] Dobrogowski, A New
 Glaucoma Filter Implant,
 Ophthalmic
 Surgery, Jul. 1990, pp. 481
 485
 [] Neubauer, Complications
 after Modern Filter Operations in
 Glaucoma, Dev. Ophthal. vol.
 13, 1987 pp. 70 77
 [] Phillipp et al.,
 Clinicopathological findings 11
 months
 after implanation . . .
 Implant, 1990, 481 486
 [] Samuelson et al.,
 Ultrastructural changes in the
 Aqueous .
 . . Glaucoma, Investigative
 Oph. & Visual Science, 1989
 [] Krupin, et al., A long Krupin
 Denver . . . Surgery,
 Ophthalmology 1987, pp.
 1174 1180
 [] Minckler, et al., Clinical
 Experience with the . . .
 Glaucomas, Ophthalmology,
 1988, pp. 1182 1188
 [] Scott, et al., Medical
 Management . . .
 Trabeculectomies,
 Ophthalmology, 1988, pp.
 1169 1173
 [] Allen et al., Filtration
 Surgery . . . Glaucoma,
 Ophthalmology, 1982, pp.
 1181 1187
 [] Ellis, Reduction of
 Intraocular pressure using . . .
 surgery, Plastics for Aqueous
 Drainage, 1959, pp. 733 743
 [] Forestier et al., Reflexions
 sur la chirurgie du glaucome,

Service de Ophalmogie,
 1984, pp. 85 391
 [] Lloyd et al., Combined
 Molteno Implanation . . .
 Glaucomas,
 Ophthalmology, 1991, pp.
 1402 1405
 [] Rockwood et al., Glaucoma
 Filtering Surgery with 5
 Fluorouracil,
 Ophthalmology, 1987, 1071 1078
 [] Richter, Retreatment Argon
 Laser Trabeculoplasty,
 Ophthalmology, 1987, pp.
 1085 1089
 [] Gross, et al., Surgical
 Therapy of Chronic Glaucoma . . .
 and Pseudophakia,
 Ophthalmology, 1988, pp. 1195
 1201
 [] Cameron et al., Clinico
 histopathologic . . . Implant,
 Ophthalmology, 1988, pp.
 1189 1193
 [] Hitchings, et al., Use of One
 Piece . . . Surgery,
 Ophthalmology, 1987, pp.
 1079 1084
 [] Schocket et al., Anterior
 Chamber Tube . . . Refractory
 Glaucomas, Ophthalmology,
 1985, pp. 553 562
 [] Tomey et al., The Glaucomas
 in Aphakia and Pseudophakia,
 Survey of Ophthalmology,
 1991, pp. 79 112

- CCI - [A61F9/00781](#) ; [A61F9/008](#)
- CCA - [A61B17/3213](#) ; [A61F9/00](#) ;
[A61F9/009](#) ; [A61F9/0133](#) ;
[A61F2009/00865](#) ;
[A61F2009/00868](#) ;
[A61F2009/00891](#) ; [A61B90/361](#) ;
[A61B2090/3616](#)
- PA - UNIV MIAMI [US]
- TI - Method and apparatus
 for **implanting** an
 artificial **meshwork** in **glaucoma**
 surgery
- AB - A method and device which is
 used to insert an implant in
 order for treating an eye
 with **glaucoma** in order to lower
 the intraocular pressure of the
 eye. The implant is an
 artificial **meshwork**. The implant
 is attached to a guide knife
 which is inserted into the
 anterior chamber of the eye. The
 knife is then removed leaving the

implant in place. During the operation, a prismatic lens with c-shaped vacuum ring is used to help assist the surgeon in viewing the anterior chamber of the eye and stabilizing the eye.

11/13 © EPODOC / EPO

PN - [EP0881055](#) A1 19981202

PR - EP19940912308
19940314; US19930034870
19930319

AP - EP19980113460 19940314

DT - **

CT - || STSE (A1)
[WO9301755](#) A1 19930204
[X] (EATON ALEXANDER M [US], et al)
[X] 1,5,7
* page 16, line 30 - page 17, line 27; figure 24 *;
[US4642090](#) A 19870210
[X] (UTRATA PETER J [US])
[X] 1,4
* column 2, line 46 - line 60; figures 1,3 *;
[US4552146](#) A 19851112
[XA] (JENSEN RONALD P [US], et al)
[X] 1,5,7
* column 3, line 52 - line 61; figure 7 *
[A] 2;
[US5180362](#) A 19930119
[A] (WORST J G F [NL])
[A] 1
* abstract *;
[EP0186632](#) A2 19860702
[A] (CITIC SRL [IT])
[A] 1
* figure 2 *;
[GB2101678](#) A 19830119
[A] (FORSTER PAUL)
[A] 2,3
* abstract *

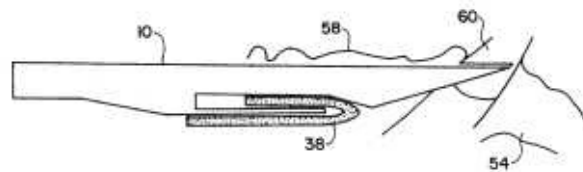
CCI - [A61F9/00781](#) ; [A61F9/008](#)

CCA - [A61B17/3213](#) ; [A61F9/00](#) ;
[A61F9/009](#) ; [A61F9/0133](#) ;
[A61F2009/00865](#) ;
[A61F2009/00868](#) ;
[A61F2009/00891](#) ; [A61B90/361](#) ;
[A61B2090/3616](#)

PA - UNIV MIAMI [US]

TI - Method and apparatus
for **implanting** an
artificial **meshwork** in **glaucoma**
surgery

AB - A method and device which is

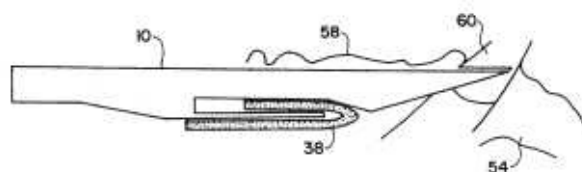


used to insert an implant in order for treating an eye with **glaucoma** in order to lower the intraocular pressure of the eye. The implant (38) is an artificial **meshwork**. The implant (38) is attached to a guide knife (10) which is inserted into the anterior chamber (56) of the eye (50). The knife (10) is then removed leaving the implant (38) in place. During the operation, a prismatic lens (74) with c-shaped vacuum ring (70) is used to help assist the surgeon in viewing the anterior chamber of the eye and stabilizing the eye.

<IMAGE> <IMAGE>

12/13 © EPODOC / EPO

- PN - [EP0700334](#) A1 19960313
- PNFP - EP0700334 A4 19970910
- EP0700334 B1 20030618
- PR - WO1994US03260
19940314; US19930034870
19930319
- AP - EP19940912308 19940314
- DT - I
- CT - || STSE (A4)
[US5037379](#) A 19910806
[X] (CLAYMAN RALPH V [US], et al)
[X] 1,5
* column 3, line 58 - column 4,
line 19; figures 1B,8 *;
[FR2638349](#) A1 19900504
[A] (BREARD FRANCIS [FR])
[A] 1,3,5,6
* page 2, line 15 - line 30 *
* page 3, line 1 - line 4; figures
2,3 *;
[XP002027714](#) A[A];
[WO9112037](#) A1 19910822
[A] (AHMED ABDUL MATEEN [US])
[A] 1,5
* page 10, line 6 - page 11,
paragraph 3; figure 1 *;
[GB2156684](#) A 19851016
[A] (BINDER PERRY SCOTT)
[A] 5
* abstract *;
[WO9301755](#) A1 19930204
[X] (EATON ALEXANDER M [US], et
al)
[X] 16
* page 16, line 30 - page 17,
line 27; figure 24 *;
[US4642090](#) A 19870210
[X] (UTRATA PETER J [US])



[X] 16
 * column 2, line 46 - line 60;
 figures 1,3 *;
[US4552146](#) A 19851112
 [X] (JENSEN RONALD P [US], et al)
 [X] 16
 * column 3, line 52 - line 61;
 figure 7 *;
[US5180362](#) A 19930119
 [A] (WORST J G F [NL])
 [A] 16
 * abstract *;
[EP0186632](#) A2 19860702
 [A] (CITIC SRL [IT])
 [A] 16
 * figure 2 *

CTNP - || STSE (A4)
 [A] HYUN BONG BAE ET AL., "A
 membranous drainage implant
 in glaucoma filtering surgery:
 animal trial", KOR. J.
 OPHTHALMOL., (1988), vol. 2,
 pages 49 - 56, XP002027714
 [A] 1,5
 * page 50; figure 1 *

CCI - [A61F9/00781](#) ; [A61F9/008](#)

CCA - [A61B17/3213](#) ; [A61F9/00](#) ;
[A61F9/009](#) ; [A61F9/0133](#) ;
[A61F2009/00865](#) ;
[A61F2009/00868](#) ;
[A61F2009/00891](#) ; [A61B90/361](#) ;
[A61B2090/3616](#)

PA - (A1 A4 B1)
 UNIV MIAMI [US]

TI - (A1 B1)
 FILTERING MEMBER
 FOR **IMPLANTING IN GLAUCOMA**
 SURGERY
 - (A4)
 METHOD AND APPARATUS
 FOR **IMPLANTING AN**
 ARTIFICIAL **MESHWORK**
 IN **GLAUCOMA** SURGERY

13/13 © EPODOC / EPO

PN - [CA2153418](#) A1 19940929

PNFP - CA2153418 C 20010508

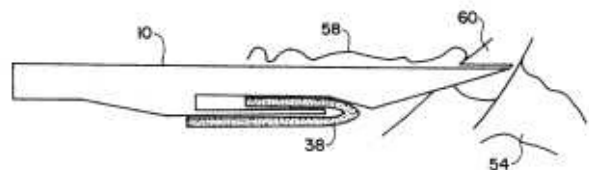
PR - US19930034870
 19930319; WO1994US03260
 19940314

AP - CA19942153418 19940314

DT - I

CCI - [A61F9/00781](#) ; [A61F9/008](#)

CCA - [A61B17/3213](#) ; [A61F9/00](#) ;
[A61F9/009](#) ; [A61F9/0133](#) ;
[A61F2009/00865](#) ;
[A61F2009/00868](#) ;



[A61F2009/00891](#) ; [A61B90/361](#) ;
[A61B2090/3616](#)

- PA - (A1)
UNIV MIAMI [US]
- TI - (A1 C)
METHOD AND APPARATUS
FOR **IMPLANTING** AN
ARTIFICIAL **MESHWORK**
IN **GLAUCOMA** SURGERY
- AB - (A1 C)
A method and device which is
used to insert an implant in
order for treating an eye
with **glaucoma** in order to lower
the intraocular pressure of the
eye. The implant (38) is an
artificial **meshwork**. The implant
(38) is attached to a guide knife
(10) which is inserted into the
anterior chamber (56) of the eye
(50). The knife (10) is then
removed leaving the implant (38)
in place. During the operation, a
prismatic lens (74) with c-
shaped vacuum ring (70) is used
to help assist the surgeon in
viewing the anterior chamber of
the eye and containing the eye.