

#### Search history

Search PN=(WO2016003294) (Results 1)

1:

Search DEVICE AND DRAINAGE AND AQUEOUS HUMOR AND EYE (Results 136)

2:

Search fn=(28292714 or 30187813 or 54080814 or 12942354 or 15004661 or 11490152 or 31395636) (Results 7)

3:

Search IPC=(A61B19/00) (Results 54967)

4:

Search 2 AND 4 (Results 12)

5:

Search IMPLANTING AND MESHWORK AND GLAUCOMA (Results 53)

6:

Search 4 AND 6 (Results 5)

7:

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Search SHUNT AND DRAIN AND OCULAR AND PRESSURE (Results 18)

10:

Search SHEET AND 6 (Results 3)

11:

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Search [SP]: fig. 1a is an overhead view of an ophthalmic shunt according to the invention.fig. 1b is a bottom view of the ophthalmic shunt shown in fig. 1a.fig. 1c is a side view of the ophthalmic shunt shown in fig. 1a-b.fig. 2a is a cut-away perspective view of a human eye being prepared for implantation of a shunt according to the invention.fig. 2b is a close-up side internal view of a portion of the eye shown in fig. 2a.fig. 3 is a cut-away perspective view of the implant shown in fig. 1a-c as it is being implanted in a human eye.fig. 4 is a simplified top surface view of a portion of the eye showing the implant disposed in the eye.fig. 5 is a partial cross-sectional view of an eye having an implant disposed therein.fig. 6a an overhead view of an ophthalmic shunt according to a second embodiment of the invention.fig. 6b is a bottom view of the ophthalmic shunt shown in fig. 6a.fig. 6c and 6d are cross-sectional views of the ophthalmic shunt taken along line c--c in fig. 6a. (Results 0)

Search fn=(57606152 or 51107960 or 51108047 or 51107967 or 51107908 or 54080434 or 51107961 or 51107960 or 51107908 or 51107909 or 51107966 or 51107909 or 51107957 or 54080434 or 54080434 or 57224231 or 51108047 or 54080814 or 51107967 or 51107909 or 55003152 or 51107909 or 59339732 or 54785125 or 59226395 or 57467728 or 54080434 or 57264045 or 41037744 or 51107909 or 58180546 or 66515172 or 54821784 or 51107909 or 54080814 or 54821784 or 60725292 or 13269819 or 41037744 or 28177379 or 30084458 or 33505199 or 28213689 or 30008592 or 28260996 or 43712337 or 28277019 or 29743645 or 30081118 or 43712338 or 28119734 or 28539692 or 28541704 or 43712341 or 30148542 or 43712342 or 29776183 or 30123248 or 43712304 or 30256775 or 30381181 or 33528270 or 28260996 or 43712348 or 43712349 or 23898187 or 30383089 or 31196040 or 31368400 or 43712351 or 43712352 or 31395636 or 30716665 or 43712353 or 30383089 or 31978830 or 30456172 or 43712356 or 23898187 or 43712358 or 32451959 or 43712359 or 43712360 or 43712361 or 30510813 or 32712708 or 43712362 or 43712363 or 28234166 or 30493418 or 30143890 or 30187813 or 30423039 or 33178006 or 33173287 or 43712364 or 43712365 or 30381181 or 33537906 or 30381181 or 34322875 or 31978830 or 31978830 or 31978830 or 30456531 or 34915961 or 35857970 or 32561271 or 43712369 or 43712370 or 43712371 or 40972549 or 43712372 or 41574666 or 41037744 or 29032614 or 41912124 or 30381181 or 41817419 or 42271310 or 33280330 or 42661404 or 30064217 or 43296834 or 43059552 or 43229861 or 43257622 or 43712375 or 43712377 or 42855356 or 43616612 or 43652526 or 40972555 or 43927352 or 43228017 or 44005524 or 43505909 or 34915961 or 44519656 or 44868663 or 44928592 or 41037744 or 44970863 or 41037744 or 41037744 or 41037744 or 44165283 or 44165278 or 32396943 or 28119734 or 30423039 or 46844609 or 46987019 or 46423070 or 28119734 or 47029171 or 47931765 or 43257622 or 34915961 or 31924181 or 48343869 or 31924181 or 31924181 or 48767135 or 29881777 or 34915961 or 48848304 or 48848307 or 41037744 or 48912143 or 33280330 or 45170002 or 34915961 or 50619450 or 50846749 or 51053196 or 51107908 or 51107909 or 51107910 or 51107957 or 51107909 or 51107960 or 51107960 or 51107961 or 51107966 or 51107909 or 51107967 or 51108047 or 51107908 or 51107960 or 51107908 or 46566354 or 41037744 or 42855356 or 48843775 or 52073687 or 52533164 or

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20:

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21:

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23:

**Title:**  
"SPARE PARTS" FOR USE IN  
OPHTHALMIC SURGICAL  
PROCEDURES

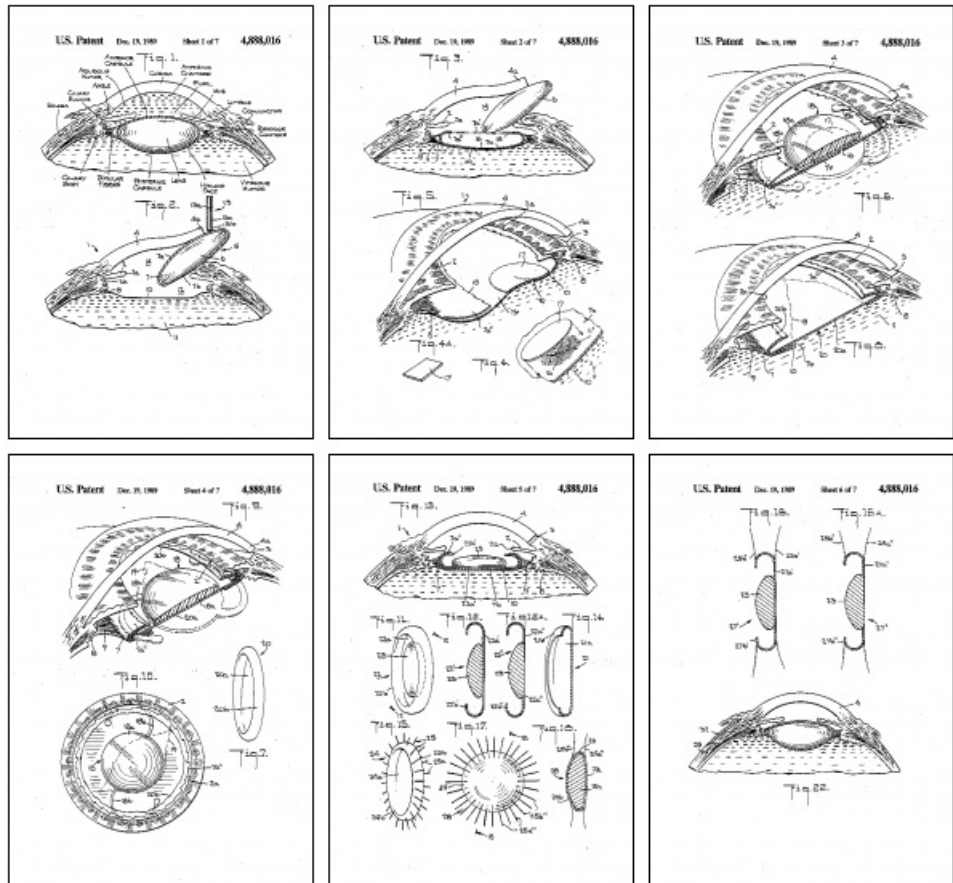
**Abstract:**

Source: US4888016A For use in ophthalmic surgery, the surgeon has available a supply of "spare parts" which are artificial members, possibly simulating different components of the eye, that are suited, depending on their structural forms and shapes, for surgical implantation in the eye as and/or in connection with repair and/or reinforcement and/or replacement structures for damaged or diseased eye components. The members basically are made of cohesive sheet materials of biocompatible substances such as cross-linked hyaluronic acid, PMMA, or other equivalents thereof. Certain of such "spare parts" are

**Probable Assignee:**  
LANGERMAN DAVID W  
ORANGEBURG N Y US

**Assignee(s):(std):**  
LANGERMAN DAVID W ;  
REINGAAMAN DEIUTSUDO  
DABURYU

**Assignee(s):**  
DAVID W LANGERMAN ;  
LANGERMAN DAVID W  
ORANGEBURG N Y US



1 more images available

**Title:**

Method and apparatus for reducing intraocular pressure

**Abstract:**

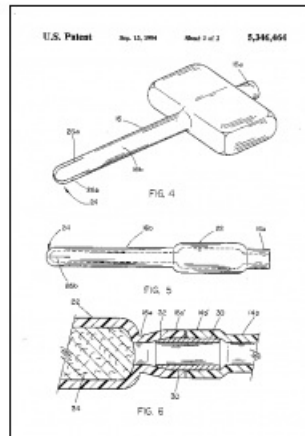
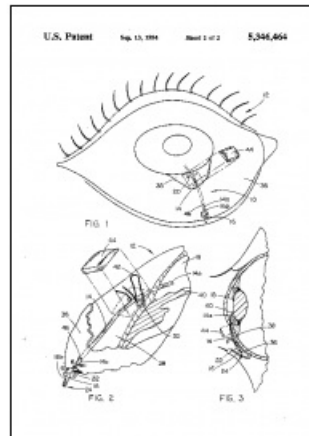
Source: US5346464A An apparatus for reducing intraocular pressure includes first and second resilient flexible tubes connected together to permit fluid flow therethrough. The first tube has one end inserted within the anterior chamber of the eye to drain fluid therefrom and extends through an aperture in the conjunctival layer. The second tube is connected to the external end of the first tube, and has an operable valve at the free end thereof which opens when subjected to a predetermined fluid pressure, to thereby reduce the intraocular pressure of the eye. A filter is mounted within the ...

**Probable Assignee:**

CAMRAS CARL B

**Assignee(s):(std):**

CAMRAS CARL B



**Title:**

METHOD AND APPARATUS FOR LOWERING THE INTRAOCULAR PRESSURE OF AN EYE

**Abstract:**

Source: US5520631A A method and apparatus for lowering the intraocular pressure of an eye is disclosed and claimed. In the method of the invention, an opening is created in the limbus corneae region of the eye. A filtering implant having a foot portion and a body portion is provided for implantation. The foot portion of the implant is placed through the limbal opening into the anterior chamber of the eye, and the body portion is buried beneath a scleral flap. The apparatus of the invention is a filtering implant comprising a cellulosic membrane adapted to extend from the anterior chamber of ...

**Probable Assignee:**

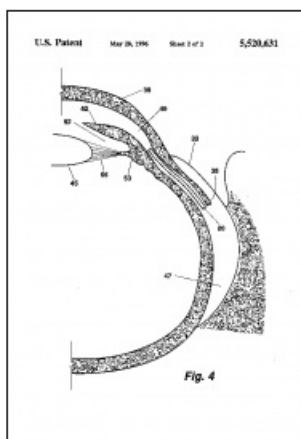
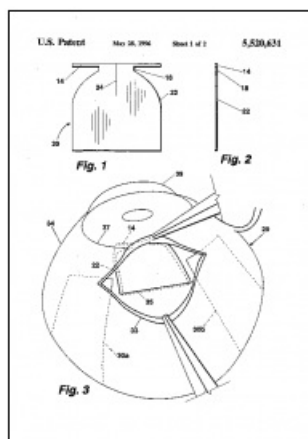
WOUND HEALING OF  
OKLAHOMA INC

**Assignee(s):(std):**

MEDTRONIC XOMED INC ;  
PREMIER LASER SYSTEMS INC  
; WOUND HEALING OF  
OKLAHOMA ; WOUND HEALING  
OF OKLAHOMA INC

**Assignee(s):**

NORDQUIST ROBERT E ;  
WOUND HEALING OF  
OKLAHOMA PO BOX ; STRONG  
RIVER INVESTMENTS INC ;  
MEDTRONIC XOMED INC 6743  
SOUTHPOINT DRIVE ;  
HERKIMER LLC ; LI BING



**Title:**

Ophthalmic shunt

**Abstract:**

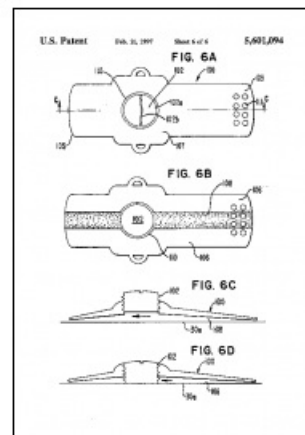
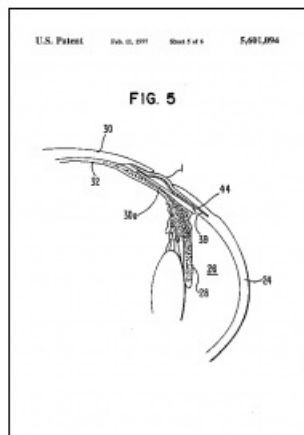
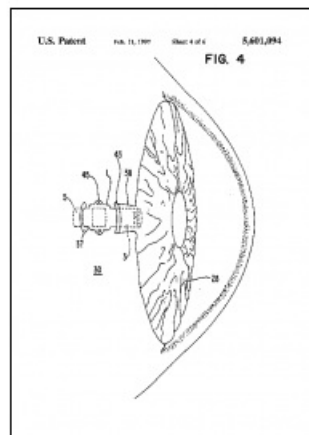
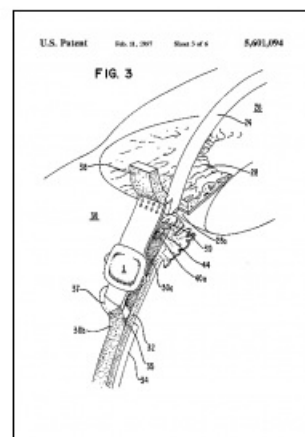
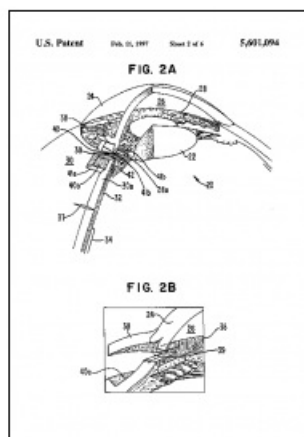
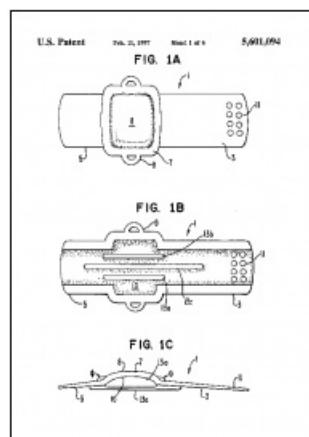
Source: US5601094A The invention is directed to an ophthalmic shunt implantable in a human eye. The shunt includes a central portion, an anterior tab extending from one end of the central portion and a posterior tab extending from an opposite end of the central portion. The tabs are disposed at an angle to the central portion. When the shunt is implanted, the curvature substantially corresponds to the exterior curvature of the eye at and adjacent to the location of the limbus, and the overall length of the shunt is sufficient to allow the anterior tab to be disposed intracorneally and the

**Probable Assignee:**

REISS GEORGE R

**Assignee(s):(std):**

REISS GEORGE R



**Title:**

Long-term glaucoma drainage implant

**Abstract:**

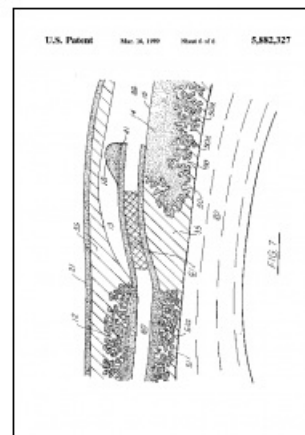
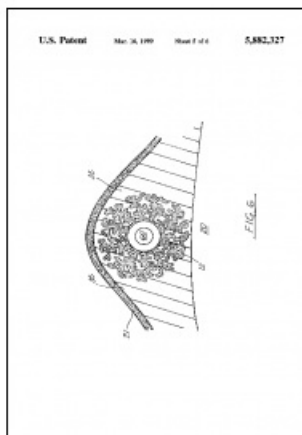
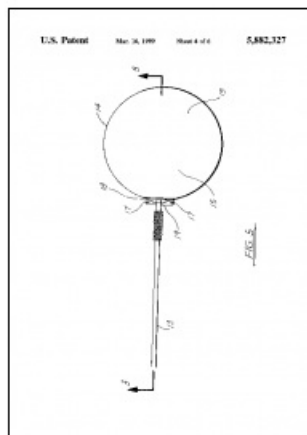
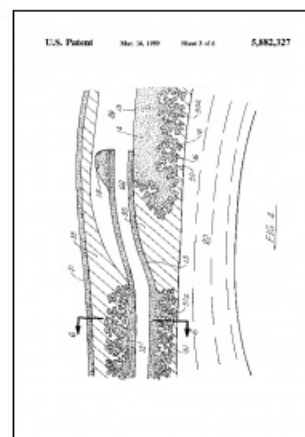
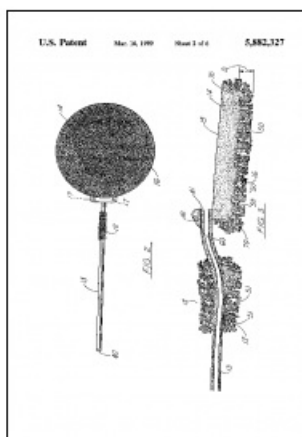
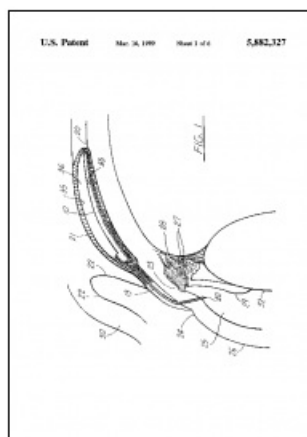
Source: US5882327A An implantable ocular device to decrease intraocular pressure by draining aqueous humor from the anterior chamber of the eye into an extraocular space above the sclera and below the conjunctiva and Tenon's layers. The device includes a conduit attached to an episcleral drainage plate having a porous posterior surface for cellular ingrowth and attachment by the sclera. The distal end of the conduit is inserted into the anterior chamber and protrudes out of the limbal/scleral junction. A portion of the outer surface of the conduit adjacent to the plate has a porous ingrowth ...

**Probable Assignee:**

BOARD OF SUPERVISORS OF LOUISIANA STATE UNIV

**Assignee(s):(std):**  
JACOB JEAN T

**Assignee(s):**  
BOARD OF SUPERVISORS OF LOUISIANA STATE UNIV

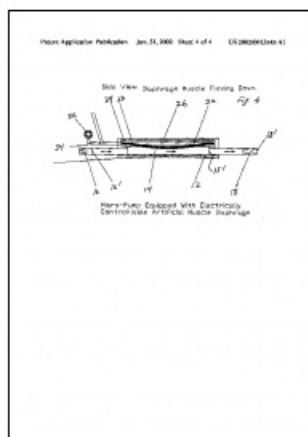
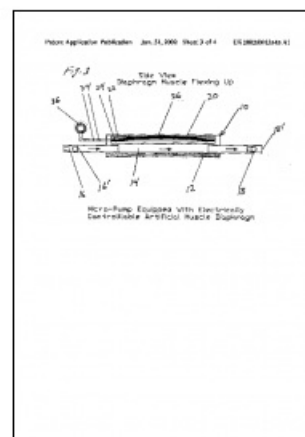
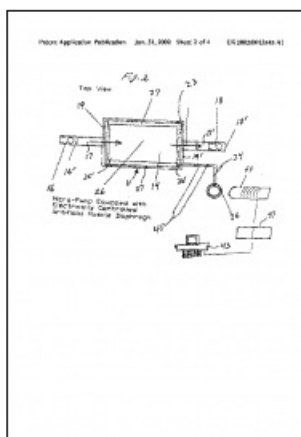
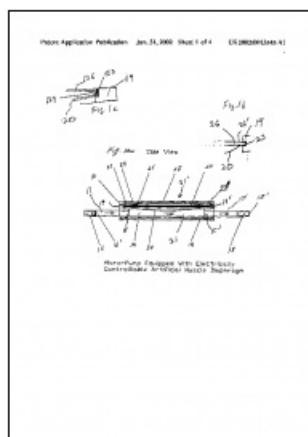


**Title:**  
SYNTHETIC MUSCLE BASED  
DIAPHRAGM PUMP  
APPARATUSES**Abstract:**

Source: US2002013545A  
Implantable, pressure adjustable diaphragm pump systems which are scalable and are characterized by a common type of actuating mechanism. The pumps may be inductively and transcutaneously powered via adjacent, mutually inductive electromagnetic coils. Alternatively the pumps may be effectively "self" powered using a synthetic muscle attached to a local bending or twisting force. The pumps may be used in a range of applications from mechanical applications to medical applications such as intraocular pressure control for glaucoma patients, bodily fluid drainage ...

**Probable Assignee:**  
SHAHINPOOR MOHSEN

**Assignee(s):(std):**  
KRIVOY DANIEL ; SHAHINPOOR MOHSEN ; SOLTANPOUR DAVID ; SOLTANPOUR DAVID P ; SOLTANPOUR DAVID PYAM



**Title:**

GLAUCOMA SHUNT AND A METHOD OF MAKING AND SURGICALLY IMPLANTING THE SAME

**Abstract:**

Source: US2002156413A A glaucoma shunt including first and second porous regions laminated together, and a third region having edge areas fused to edge areas of the second region so as to form a hollow reservoir therebetween. Also included is a catheter having a first end sandwiched between the second and third regions and a second end to be implanted into an anterior region of an eye. A method of making and surgically implanting such a glaucoma shunt is also included. ...

**Probable Assignee:**

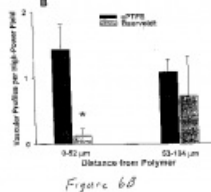
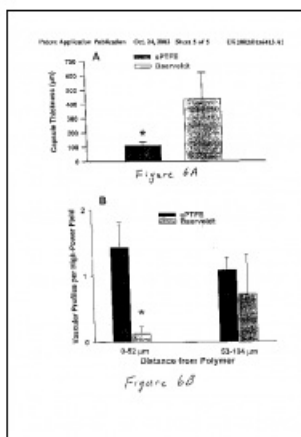
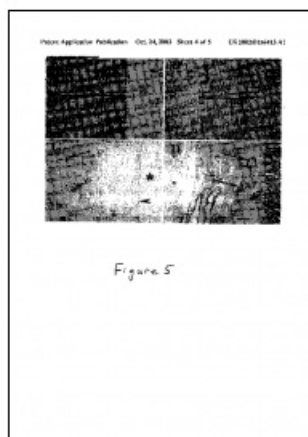
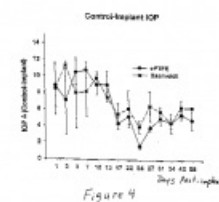
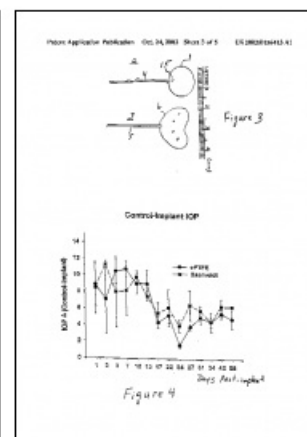
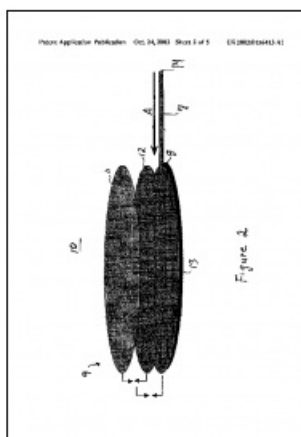
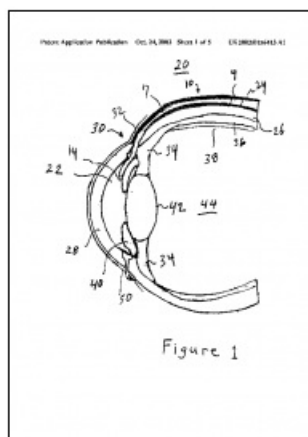
ARIZONA BOARD OF REGENTS ACTING ON BEHALF OF UNIV OF ARIZONA

**Assignee(s):(std):**

SNYDER ROBERT ; UNIV ARIZONA ; WILLIAMS STUART K

**Assignee(s):**

THE ARIZONA BOARD OF REGENTS ACTING ON BEHALF OF THE UNIVERSITY ; THE ARIZONA BOARD OF REGENTS ACTING ON BEHALF OF THE UNIVERSITY OF ARIZONA ; THE ARIZONA BOARD OF REGENTS ACTING ON BEHALF OF T ; THE ARIZONA BOARD OF REGENTS ; ARIZONA BOARD OF REGENTS ACTING ON BEHALF OF UNIV OF ARIZONA ; ARIZONA BOARD OF REGENTS THE UNIV ; ARIZONA BOARD OF REGENTS ; ARIZONA BOARD OF REGENTS ACTING ON BEHALF OF UNIV



**Title:**  
SYSTEM AND METHODS FOR  
REDUCING INTRAOCULAR  
PRESSURE**Abstract:**

Source: US2003212383A The present invention provides systems and methods for reducing intraocular pressure, thereby to treat glaucoma and other disorders. The systems of the present invention include a shunt insertable across the clear cornea and a delivery device for inserting the shunt in the transcorneal position. The shunt has a body with a head at one end and a foot at the opposite end, and a channel therethrough permitting the passage of aqueous humor from the anterior chamber to the external surface of the cornea. A removable filter is positioned within the channel to regulate aqueous ...

**Probable Assignee:**

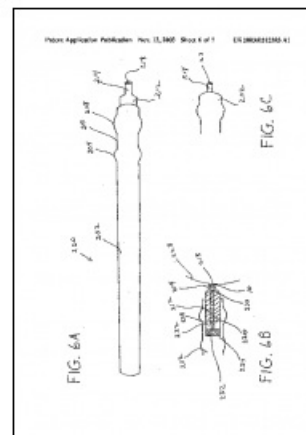
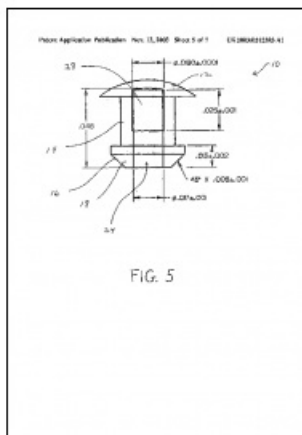
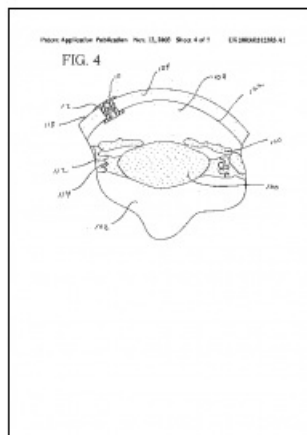
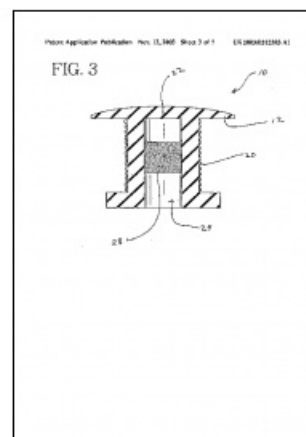
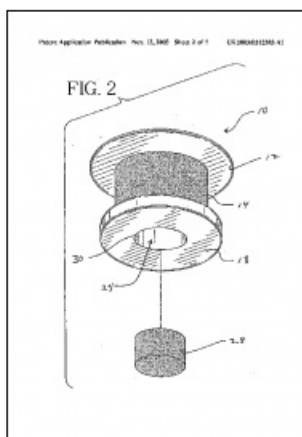
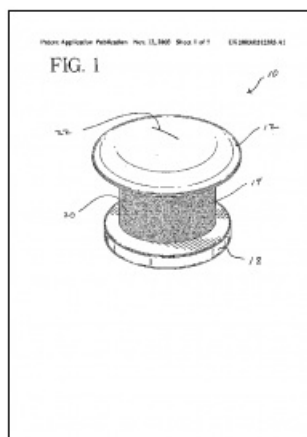
BECTON DICKINSON AND CO

**Assignee(s):(std):**

BECTON DICKINSON CO ;  
COTE DANA ; BENE ERIC A ;  
BECTON DICKINSON AND  
COMPANY ; MULHERN  
MARGARET ; PIERCE ROBERT ;  
STOY VLADIMIR ; MORRILL TIM  
J ; MULHERN MARGARET B ;  
WANDEL THADDEUS L ;  
TAYLOR JON B ; MIR LEON ;  
WANDEL THADDEUS ; BECTON  
DICKINSON AND CO

**Assignee(s):**

BECTON DICKINSON AND CO  
FRANKLIN LAKES



1 more images available

**Title:**  
**UVEOSCLERAL DRAINAGE**  
**DEVICE**

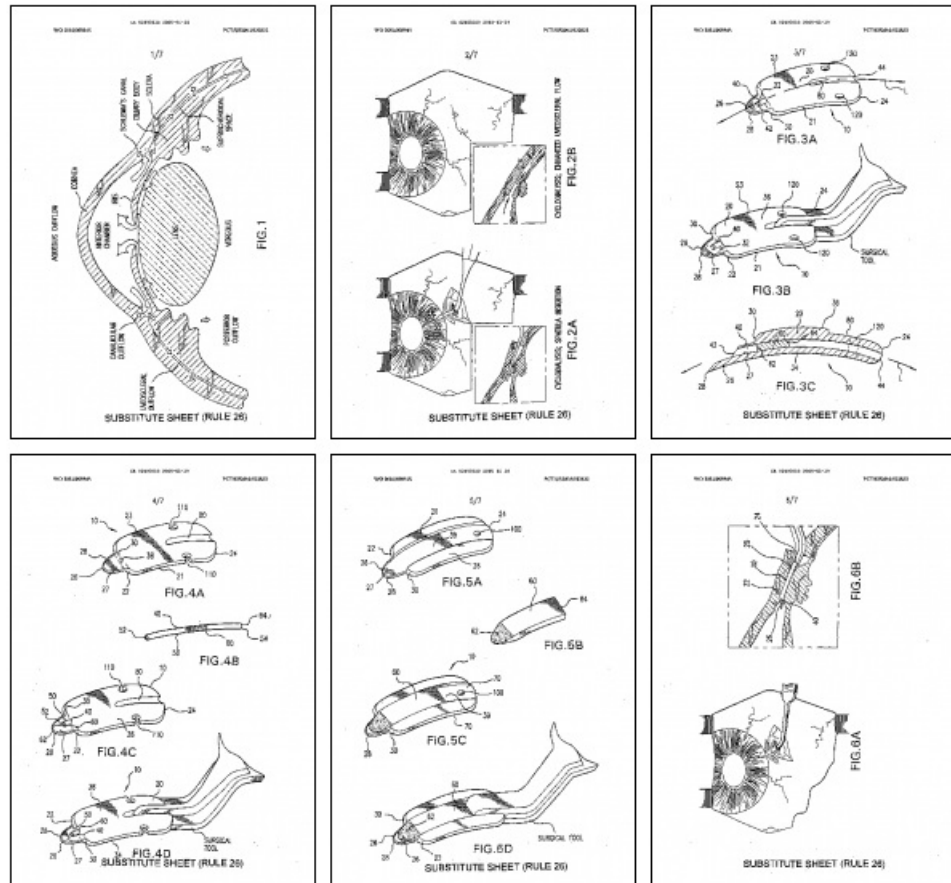
**Abstract:**

Source: US2004015140A An ophthalmic shunt implantable in an eye having an elongate body and a conduit for conducting aqueous humor from an anterior chamber of the eye to the suprachoroidal space of the eye. The elongate body has a forward end and an insertion head that extends from the forward end. The insertion head defines a shearing edge suitable for cutting eye tissue engage thereby. The forward end and the insertion head of the body define a shoulder surface. The conduit has a first end defined on a portion of a top surface of the insertion head. The conduit also extends through the body ...

**Probable Assignee:**  
 YALE UNIV

**Assignee(s):(std):**  
 SHIELDS MILTON B ; UNIV  
 YALE ; YALE UNIV ; YALE  
 UNIVERSITY

**Assignee(s):**  
 YALE UNIV NEW HAVEN



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**Title:**

SHUNT FOR THE TREATMENT OF GLAUCOMA

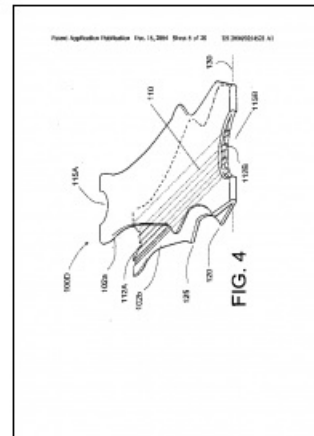
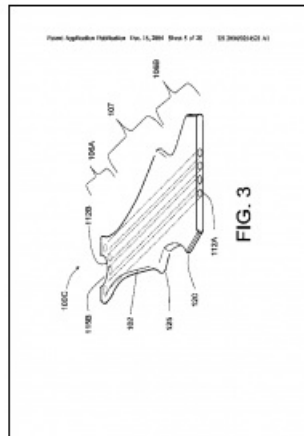
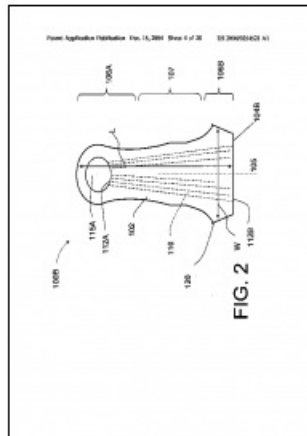
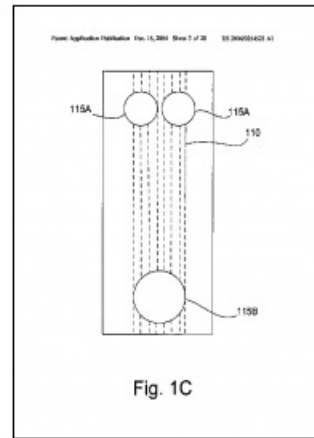
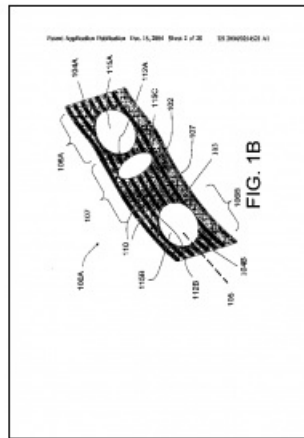
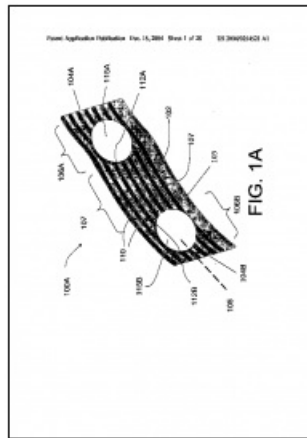
**Abstract:**

Source: US2004254521A A system is provided for reducing intraocular hypertension, the system comprising an implantable shunt, comprising a planar member having at least one microchannel disposed within the planar member. There is an inflow port disposed proximate to a first end of the microchannel and an outflow port disposed proximate to a second end of the microchannel, wherein the inflow port is configured such that when the implantable shunt is implanted, the inflow port is located about approximately within the region of an angle of an anterior chamber. ...

**Probable Assignee:**  
SOLX INC

**Assignee(s):(std):**  
SIMON GABRIEL ; SOLX INC

**Assignee(s):**  
SOLX INC WALTHAM ; DOUG P ADAMS JOHN SULLIVAN AND PETER M ADAMS COLLE ; DOUG P ADAMS JOHN SULLIVAN AND PETER M ADAMS COLLECTIVELY STOCKHOLDER REPRESENTATIVE COMMITTEE ON BEHALF OF PARTICIPATING RIGHTS HOLDERS OF SOLX INC A ; OCCULOGIX INC ; PETER M ADAMS DOUG P ADAMS AND JOHN SULLIVAN COLLE ; PETER M ADAMS DOUG P ADAMS AND JOHN SULLIVAN COLLECTIVELY STOCKHOLDER REPRESENTATIVE COMMITTEE ON BEHALF OF PARTICIPATING RIGHTS HOLDERS OF SOLX INC A



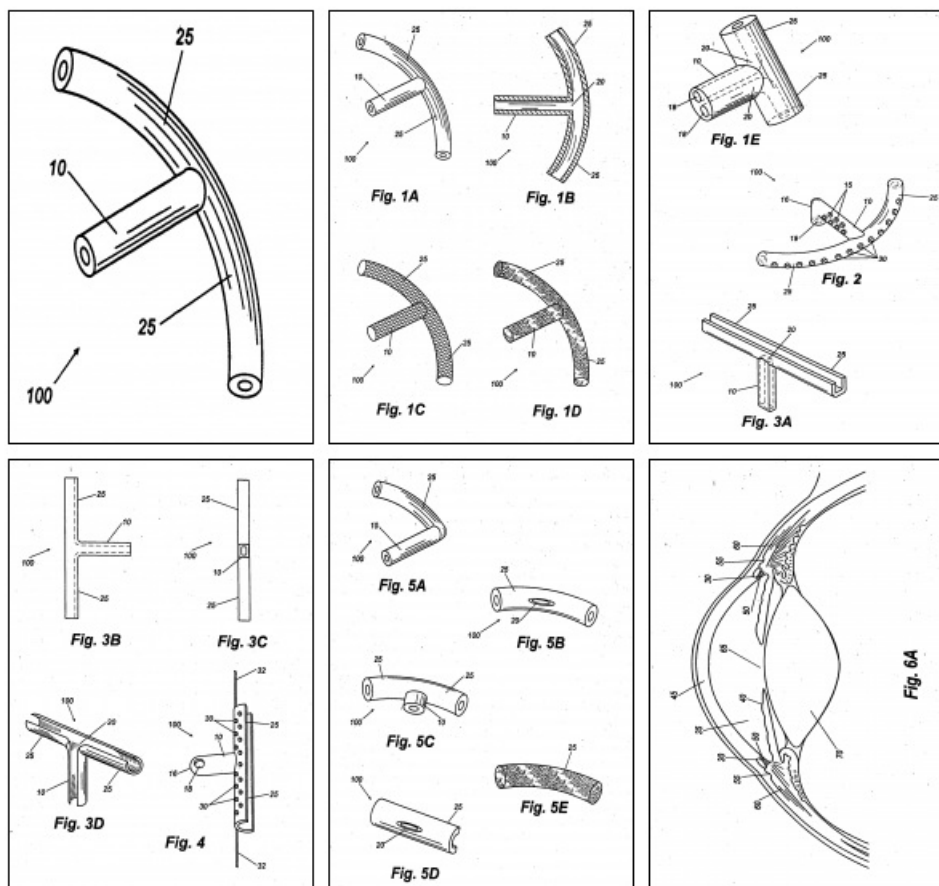
22 more images available

**Title:**  
SHUNT DEVICE AND METHOD  
FOR TREATING GLAUCOMA

**Abstract:**  
Source: US2005090806A Shunt devices and a method for continuously decompressing elevated intraocular pressure in eyes affected by glaucoma by diverting excess aqueous humor from the anterior chamber of the eye into Schlemm's canal where post-operative patency can be maintained with an indwelling shunt device which surgically connects the canal with the anterior chamber. The shunt devices provide uni- or bi-directional flow of aqueous humor into Schlemm's canal. ...

**Probable Assignee:**  
GLAUKOS CORP

**Assignee(s):(std):**  
GLAUKOS CORP ; GMP VISION  
SOLUTIONS INC



1 more images available

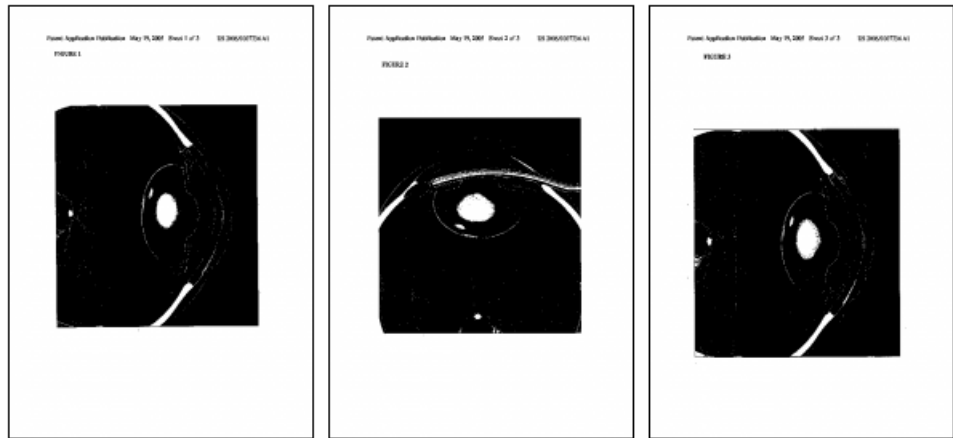
**Title:**  
OCULAR PRESSURE  
REGULATION**Abstract:**

Source: US2005107734A This invention comprises a flexible ocular device for implantation into the eye formed of a biocompatible elastomeric material, foldable to a diameter of 1.5 mm or less, comprising a fluid drainage tube having at one end a foldable plate adapted to locate the device on the inner surface of the sclera in a suprachoroidal space formed by cyclodialysis, said drainage tube opening onto the disc at one end and opening to the anterior chamber when implanted into the eye at its other end, so as to provide aqueous pressure regulation. Also provided are methods for the treatment ...

**Probable Assignee:**  
NOVARTIS AG

**Assignee(s):**(std):  
CORONEO MINAS T ;  
CORONEO MINAS THEODORE ;  
MINAS CORONEO ; THEODORE  
CORONEO MINAS ;  
TRANSCEND MEDICAL INC

**Assignee(s):**  
NOVARTIS AG ; IART NEWCO I  
INC







**Title:**

PROCESSING OF CONTINUOUS PRESSURE-RELATED SIGNALS DERIVABLE FROM A HUMAN OR ANIMAL BODY OR BODY CAVITY: METHODS, DEVICES AND SYSTEMS

**Abstract:**

Source: US2006047201A A method for processing pressure signals derived from locations inside or outside a human or animal body cavity. Different aspects relate to a method for optimal differentiating between cardiac beat- and artifact-induced pressure waves, a method for obtaining new and improved information from the pressure signals, and methods for predicting pressures inside a body or body cavity from pressure-related signals derivable from outside the body or body cavity. Devices and a system for sensing continuous pressures signals and displaying output of processing according to ...

**Probable Assignee:**

DPCOM AS

**Assignee(s):(std):**

DPCOM AS ; EIDE PER K ; EIDE PER KRISTIAN ; SENSOMETRICS AS

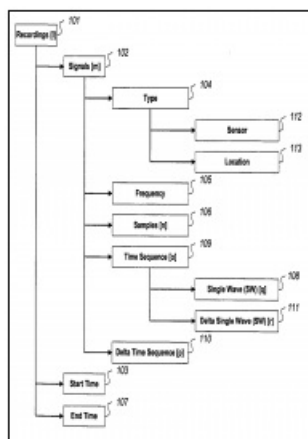


Fig. 1

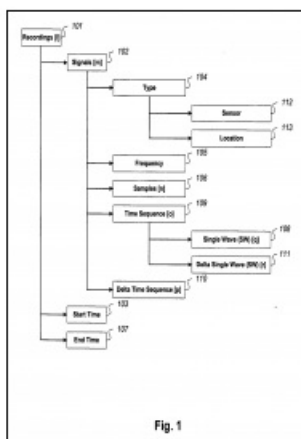


Fig. 2

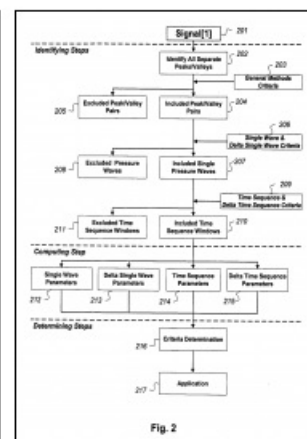


Fig. 3

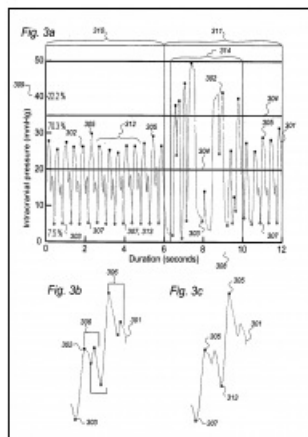


Fig. 3a

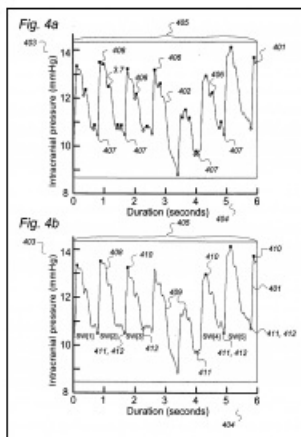


Fig. 4a

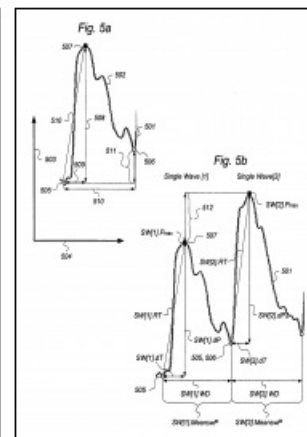


Fig. 5a

Fig. 5b

Fig. 5c

Fig. 5d

Fig. 5e

Fig. 5f

Fig. 5g

Fig. 5h

Fig. 5i

Fig. 5j

Fig. 5k

Fig. 5l

Fig. 5m

Fig. 5n

Fig. 5o

Fig. 5p

Fig. 5q

Fig. 5r

Fig. 5s

Fig. 5t

Fig. 5u

Fig. 5v

Fig. 5w

Fig. 5x

Fig. 5y

Fig. 5z

Fig. 5aa

Fig. 5ab

Fig. 5ac

Fig. 5ad

Fig. 5ae

Fig. 5af

Fig. 5ag

Fig. 5ah

Fig. 5ai

Fig. 5aj

Fig. 5ak

Fig. 5al

Fig. 5am

Fig. 5an

Fig. 5ao

Fig. 5ap

Fig. 5aq

Fig

**Title:**  
GLAUCOMA TREATMENT  
DEVICE

**Abstract:**  
Source: US2007191863A  
Methods and devices are adapted for implanting into the eye. An incision is formed in the cornea of the eye and a shunt is inserted through the incision into the anterior chamber of the eye. The shunt includes a fluid passageway. The shunt is passed along a pathway from the anterior chamber through the scleral spur of the eye into the suprachoroidal space and positioned in a first position such that a first portion of the fluid passageway communicates with the anterior chamber and a second portion of the fluid passageway communicates with the suprachoroidal space to ...

**Probable Assignee:**  
NOVARTIS AG

**Assignee(s):**(std):  
BOYD STEPHEN ; DE JUAN  
EUGENE ; DE JUAN EUGENE JR  
; DE JUAN JR EUGENE ; DEEM  
MARK E ; MACFARLANE  
ANGELA ; FORSIGHT LABS LLC  
; GIFFORD HANSON S III ;  
JUAN JR EUGENE DE ; GIFFORD  
III HANSON S ; NOVARTIS AG  
; REICH CARY ; ROSENMAN  
DAN ; TRANSCEND MEDICAL  
INC

**Assignee(s):**  
TRANSCEND MEDICAL INC 199  
JEFFERSON DRIVEMENLO  
PARKCA94025US ;  
TRANSCEND MEDICAL INC  
MENLO PARK ; FORSIGHT LABS  
LLC 199 JEFFERSON  
DRIVEMENLO PARKCA94025US  
; FORSIGHT LABS ; GIFFORD  
HANSON S

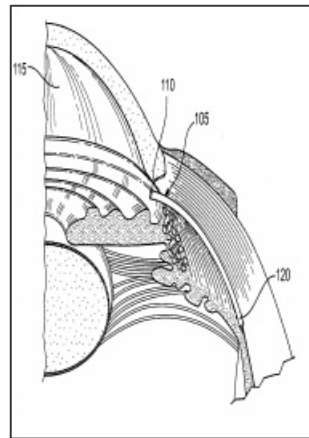


FIG. 1

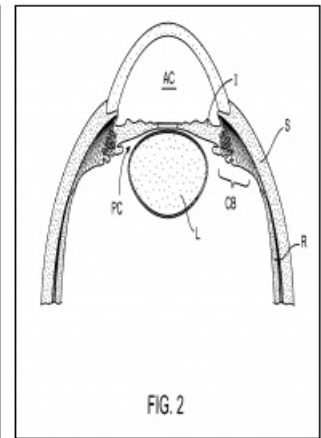
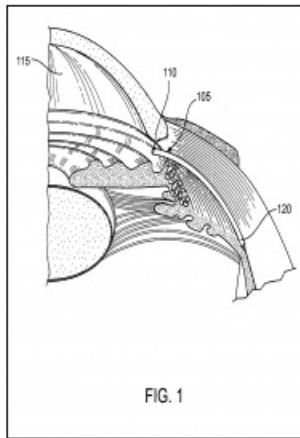


FIG. 2

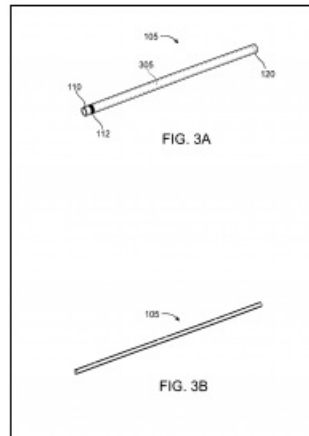


FIG. 3A

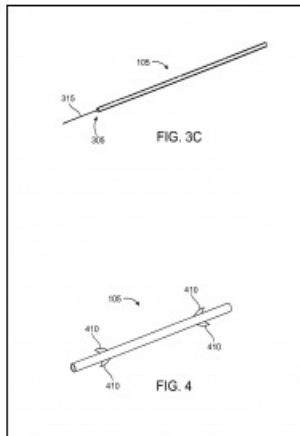


FIG. 3B

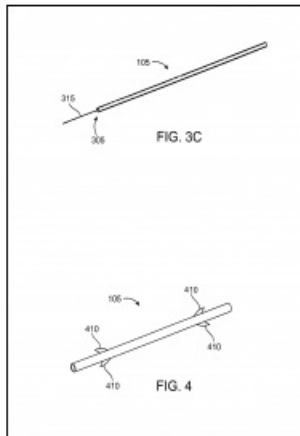


FIG. 3C

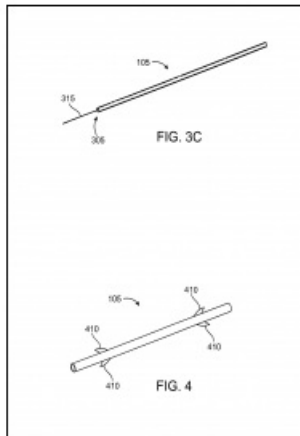


FIG. 4

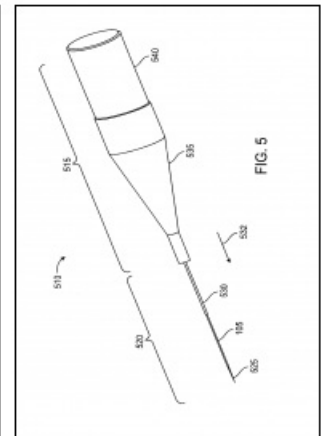


FIG. 5

35 more images available

**Title:**

## DUAL DRAINAGE PATHWAY SHUNT DEVICE AND METHOD FOR TREATING GLAUCOMA

### Abstract:

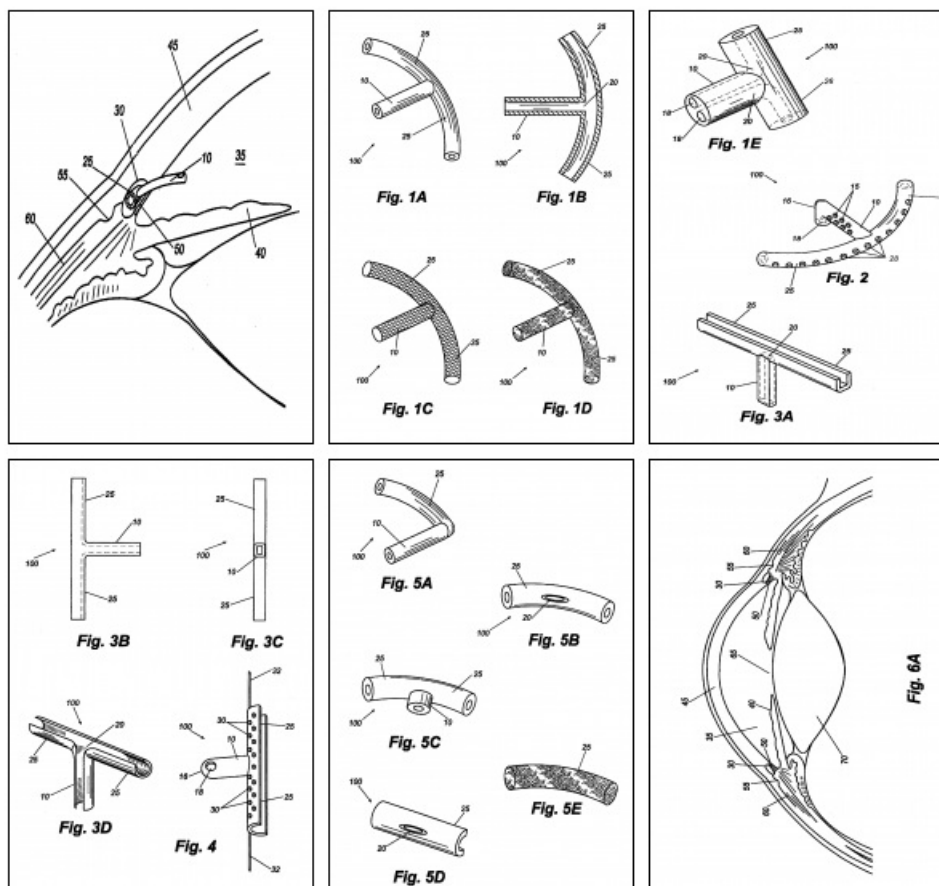
**Source:** US2007293807A A shunt is provided for the flow of aqueous humor from the anterior chamber of the eye to Schlemm's canal and to other anatomical spaces of the eye. The shunt comprises at least one lumen and optionally has at least one anchor extending from a proximal portion of the shunt to assist in placement and anchoring of the device in the correct anatomic position.

**Probable Assignee:**  
GLAUKOS CORP

**Assignee(s):(std):**  
BROWN REAY H ; GLAUKOS  
CORP ; LYNCH MARY G ;  
SMEETS GUIDO

**Assignee(s):**

N A



10 more images available

**Title:**

LUBRICIOUS BIOPOLYMERIC NETWORK COMPOSITIONS AND METHODS OF MAKING SAME

**Abstract:**

Source: US2008114096A The invention provides a network composition comprising a plurality of associated saccharide chains wherein a chain comprises at least one saccharide component; and at least one first monomer, at least one second monomer, or combinations of both; wherein the first monomer is linked to the saccharide component by ester linkages; ether linkages; amide linkages; ketone linkages; or combinations thereof; wherein the second monomer is linked to the saccharide component by ester linkages; ether linkages; amide linkages; ketone linkages; urea linkages; carbamate linkages, ...

**Probable Assignee:**

HYDROMER INC

**Assignee(s):**(std):

BUONGIOVANNI DAVID ; CHEN PAUL N ; CONTE JOSEPH ; GRUENING RAINER ; HYDROMER INC ; HYDROMER INC SOC ORGANIZADA BA ; LU ZICHUN ; WANG ZHENG ; QU XIN ; MERRITT KAREN ; VICARIO PAAQUALE P ; SCHOTTMAN TOM

**Assignee(s):**

HYDROMER INC SOCIEDAD ORGANIZADA BAJO LAS LEYES DEL ESTADO DE NEW JERSEY ; HYDROMER INC SOC ORGANIZADA BAJO LAS LEYES DEL ESTADO DE NEW JERSEY

**Title:**  
 UVEOSCLERAL SHUNT AND  
 METHODS FOR IMPLANTING  
 SAME

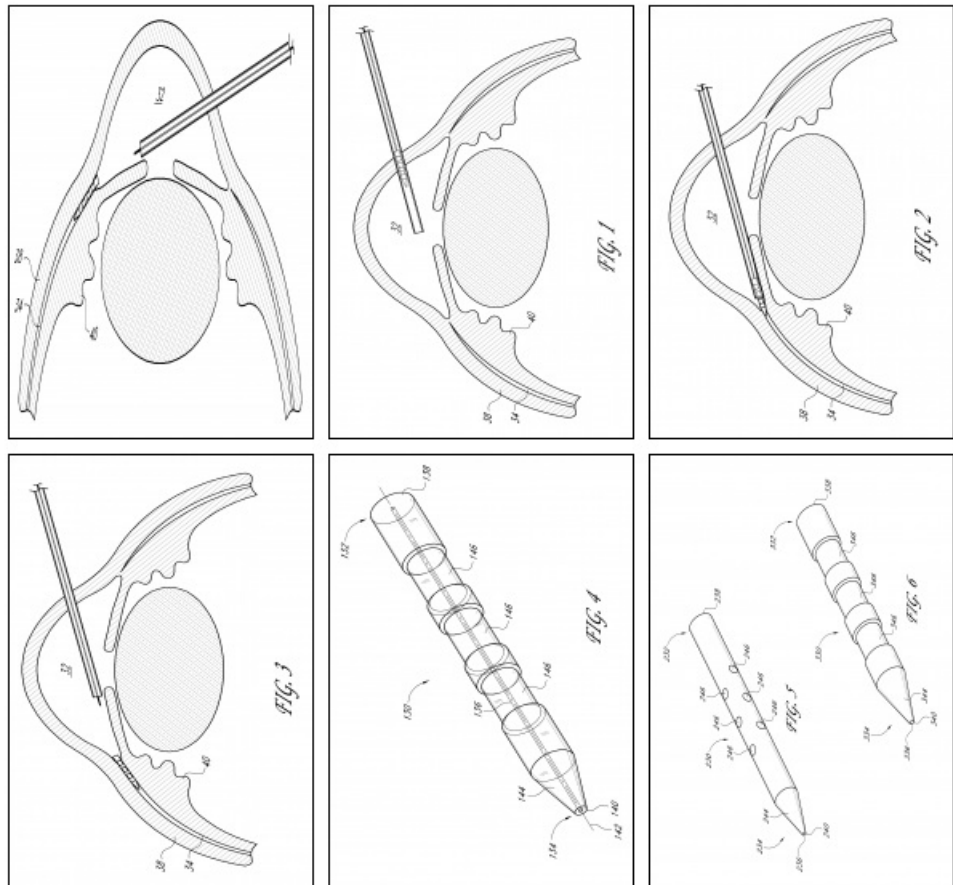
**Abstract:**

Source: US2008228127A  
 Devices and methods for  
 treating intraocular pressure  
 are disclosed. The devices  
 include shunts for draining  
 aqueous humor from the  
 anterior chamber to the  
 uveoscleral outflow pathway,  
 including the supraciliary space  
 and the suprachoroidal space.  
 The shunts are preferably  
 implanted by ab interno  
 procedures.

**Probable Assignee:**  
 GLAUKOS CORP

**Assignee(s):(std):**  
 BURNS THOMAS W ; FJELD  
 TODD N ; GLAUKOS CORP ;  
 HAFNER DAVID ; HEITZMANN  
 HAROLD A ; HILL RICHARD A

**Assignee(s):**  
 N A



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**Title:**  
THERAPEUTIC METHODS  
USING CONTROLLED DELIVERY  
DEVICES HAVING ZERO  
ORDER KINETICS

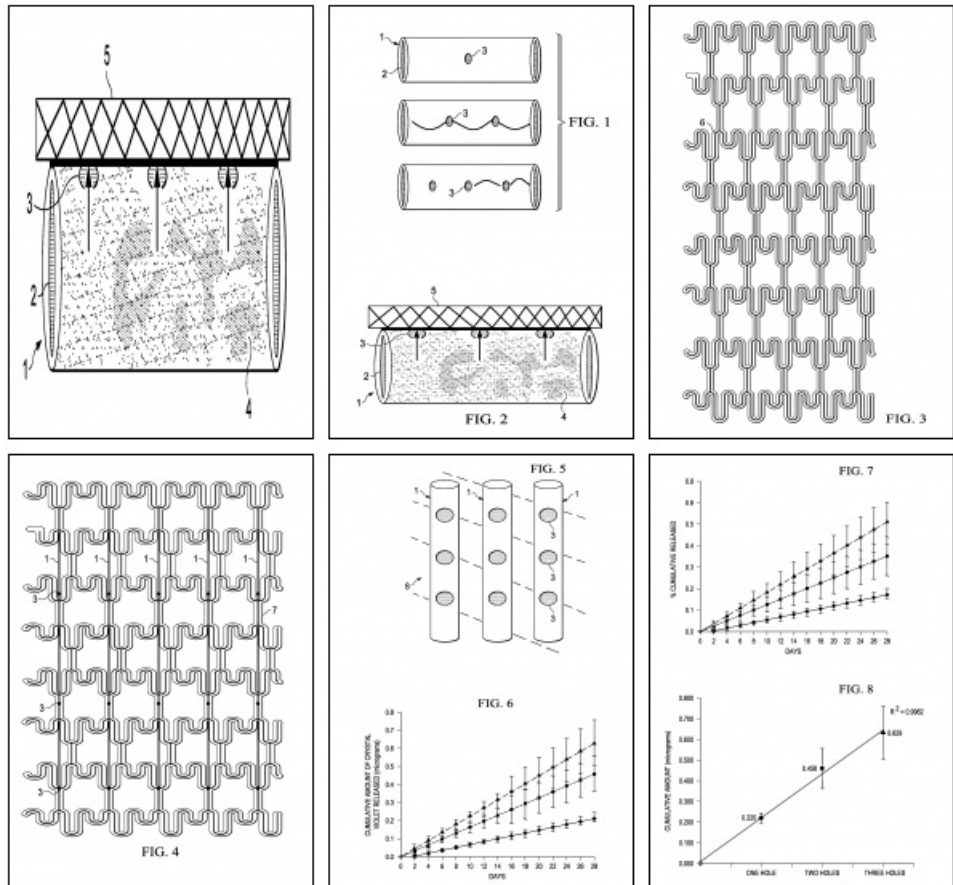
**Abstract:**

Source: US2012130300A An injectable or implantable medical device having orifice(s) on the surface that release an active agent with zero-order release kinetics is described herein. The device is a hollow matrix of any size or shape, which can be made from both metal and non-metal surfaces. The device comprises of a reservoir capable of releasing at least one therapeutic, diagnostic, or prophylactic agent via the orifices to the desired anatomical site. The developed device, due to its composite structure, has the ability to combine several release mechanisms, leading to zero-order release ...

**Probable Assignee:**  
BOARD OF REGENTS UNIV OF TEXAS SYSTEM

**Assignee(s):**(std):  
BOWMAN PHILLIP ;  
STAVCHANSKY SALOMON ;  
RASTOGI ASHISH ; LUO ZHIQUAN ; HO PAUL S ;  
REGENTS THE UNIVERSITY OF TEXAS SYSTEM BOARD OF ;  
REGENTS UNIVERSITY OF TEXAS SYSTEM BOARD OF ;  
STAVCHANSKY SALOMON S ;  
UNIV TEXAS ; WU ZHUOJIE ;  
WU ZHUOJIE

**Assignee(s):**  
BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM ;  
BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM ;  
BOARD OF REGENTS UNIV OF TEXAS SYSTEM ; BOARD OF REGENTS UNIVERSITY OF TEXAS SYSTEM



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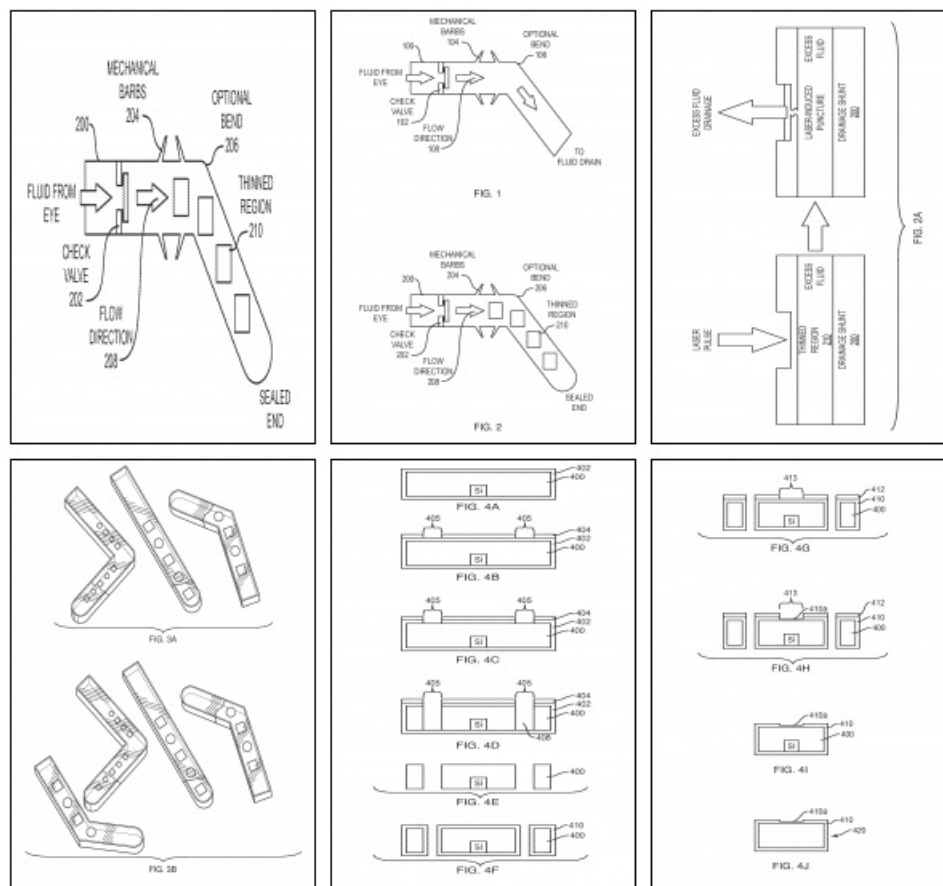
**Title:**  
IMPLANTABLE INTRAOCULAR  
PRESSURE DRAIN**Abstract:**

Source: US2012289883A 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 ...

**Probable Assignee:**  
CALIFORNIA INST OF  
TECHNOLOGY

**Assignee(s):(std):**  
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; MENG ELLIS FAN CHUIN ; TAI  
YU CHONG ; RODGER DAMIEN  
; RODGER DAMIEN C ;  
HUMAYUN MARK S ;  
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**Assignee(s):**  
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INSTITUTE OF TECHNOLOGY



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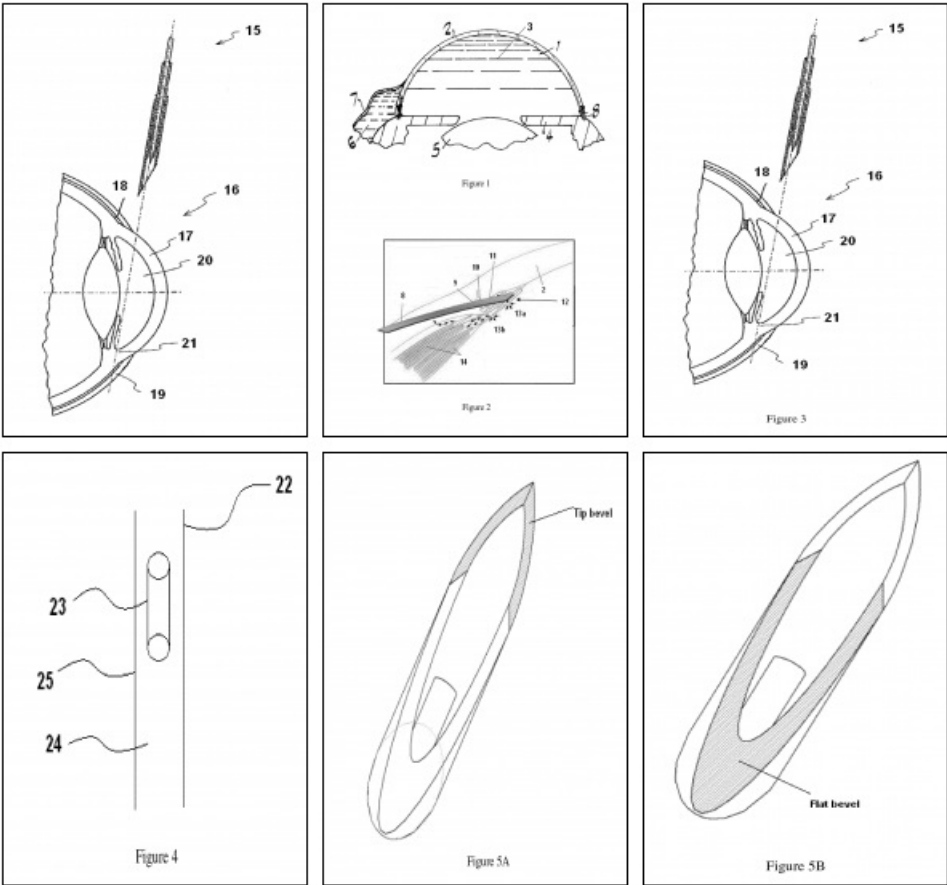


**Title:**  
METHODS FOR PLACING A SHUNT INTO THE INTRA-SCLERAL SPACE

**Abstract:**  
Source: US2013150770A The present invention generally relates to intraocular shunts, and in particular, to intraocular shunts configured to form a drainage pathway between the anterior chamber and the intra-scleral space.

**Probable Assignee:**  
AQUESYS INC

**Assignee(s):(std):**  
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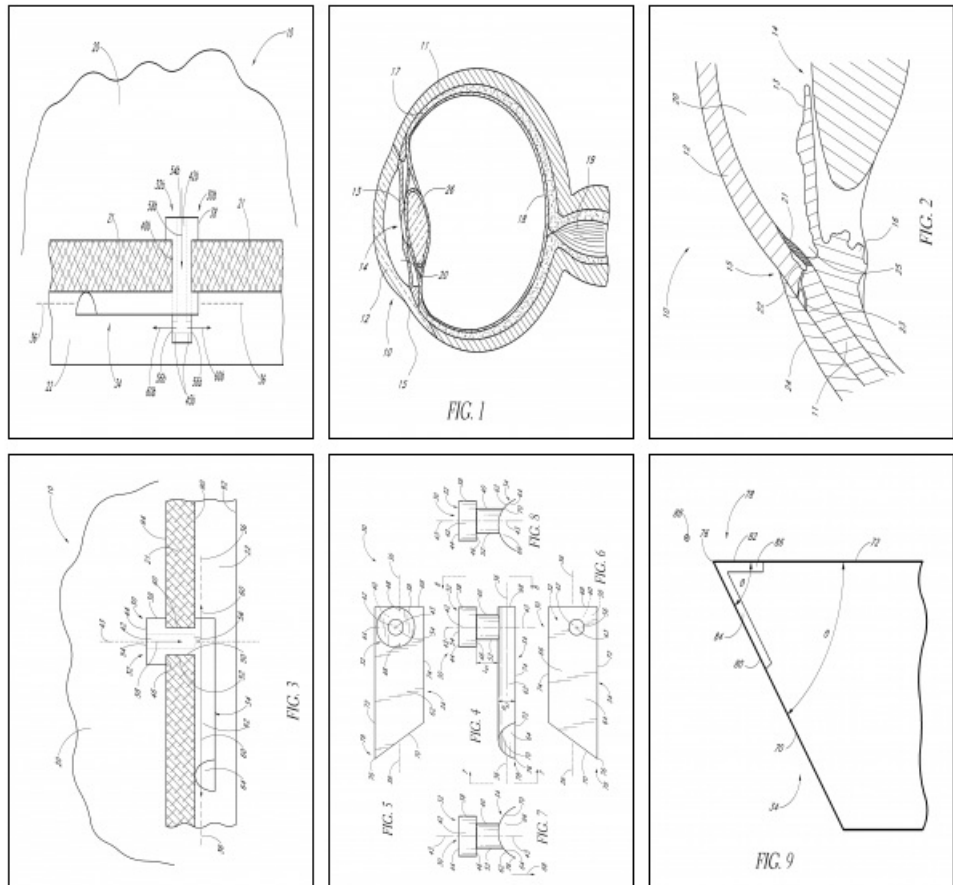
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**Title:**  
OCULAR IMPLANT SYSTEM

**Abstract:**  
Source: US2013245532A The invention relates generally to medical devices and methods for reducing the intraocular pressure in an animal eye and, more particularly, to stent type devices for permitting aqueous outflow from the eye's anterior chamber and associated methods thereof for the treatment of glaucoma. Some aspects provide a self-trephining glaucoma stent and methods thereof which advantageously allow for a "one-step" procedure in which the incision and placement of the stent are accomplished by a single device and operation. This desirably allows for a faster, safer, and ...

**Probable Assignee:**  
GLAUKOS CORP

**Assignee(s):(std):**  
GLAUKOS CORP



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**Title:**  
PHACOEMULSIFICATION HAND  
PIECE WITH INTEGRATED  
ASPIRATION AND IRRIGATION  
PUMP

**Abstract:**  
Source: US2014163455A A method of irrigating a surgical site and aspirating fluid from the surgical site. The method includes directing a fluid through an aspiration conduit in a phacoemulsification hand piece using a vacuum pressure created from a pump in the hand piece interfacing with the aspiration conduit and directing an irrigation fluid through an irrigation conduit in the hand piece using a pressure created from the pump interfacing with the irrigation conduit. The method also includes increasing an irrigation fluid flow through the irrigation conduit by activating the pump in the ...

**Probable Assignee:**  
ALCON RESEARCH LTD

**Assignee(s):(std):**  
ALCON RES LTD ; ALCON  
RESEARCH LTD

**Assignee(s):**  
CHANDRAKANT PARTHA ;  
WILSON DANIEL J

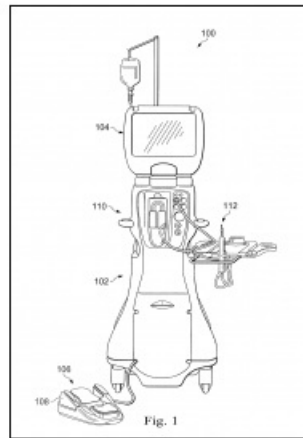
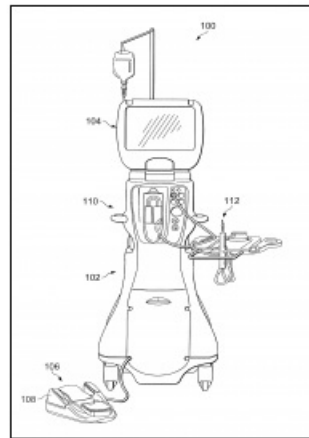


Fig. 1

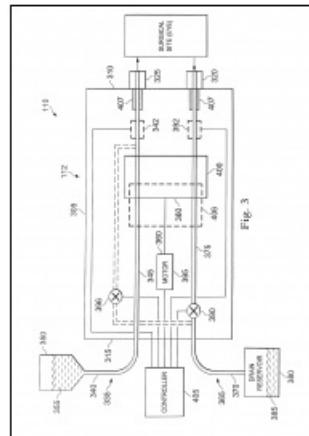


Fig. 3

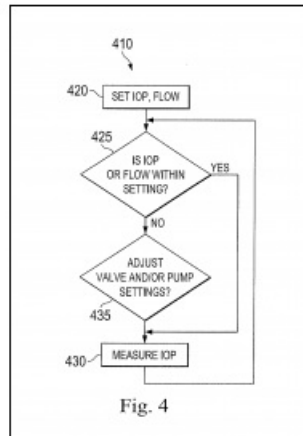


Fig. 4

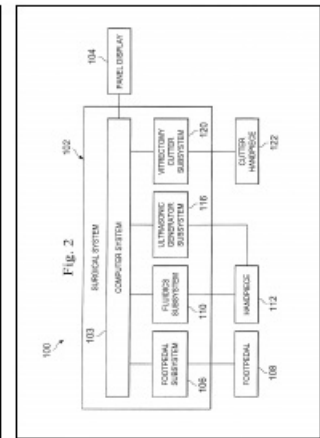


Fig. 2

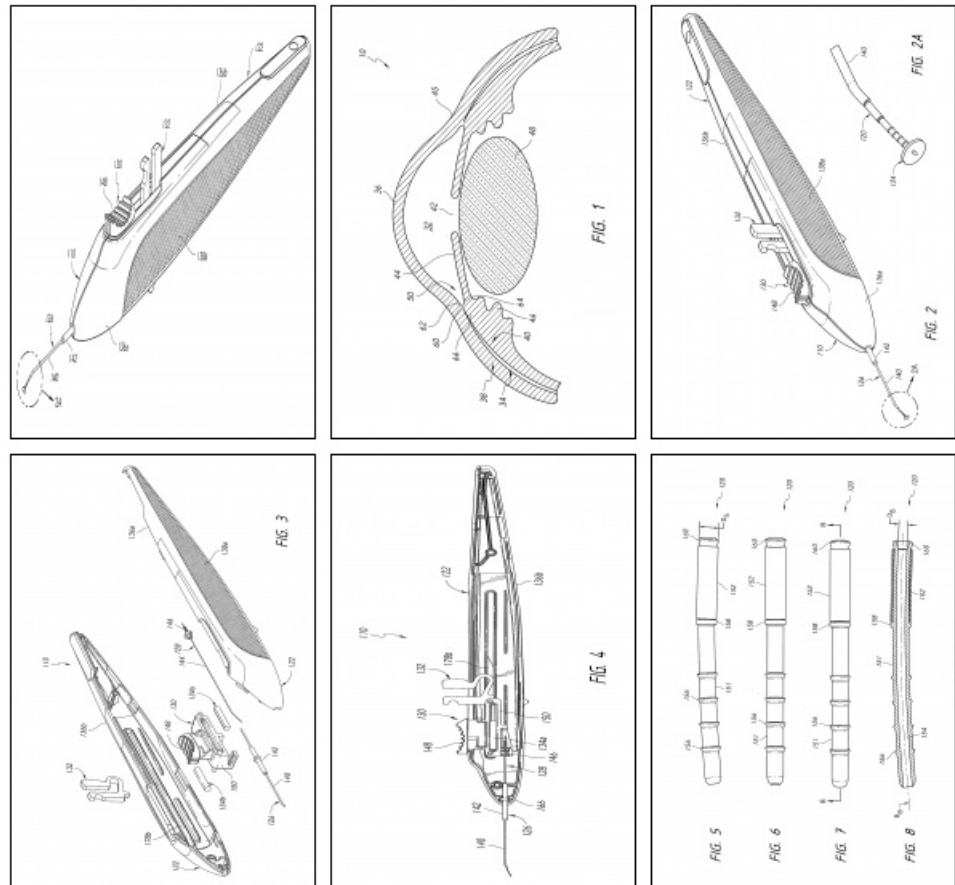
**Title:**  
SYSTEMS AND METHODS FOR  
DELIVERING AN OCULAR  
IMPLANT TO THE  
SUPRACHOROIDAL SPACE  
WITHIN AN EYE

**Abstract:**  
Source: US2015065940A  
Delivery devices, systems and methods are provided for inserting an implant into an eye. The delivery or inserter devices or systems can be used to dispose or implant an ocular stent or implant, such as a shunt, in communication with the suprachoroidal space, uveal scleral outflow pathway, uveoscleral outflow path or supraciliary space of the eye. The implant can drain fluid from an anterior chamber of the eye to a physiologic outflow path of the eye, such as, the suprachoroidal space, uveal scleral outflow pathway, uveoscleral outflow path or supraciliary space. ...

**Probable Assignee:**  
GLAUKOS CORP

**Assignee(s):(std):**  
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**Assignee(s):**  
HAFFNER DAVID S ; N A ;  
RANGEL FRIEDMAN GARY

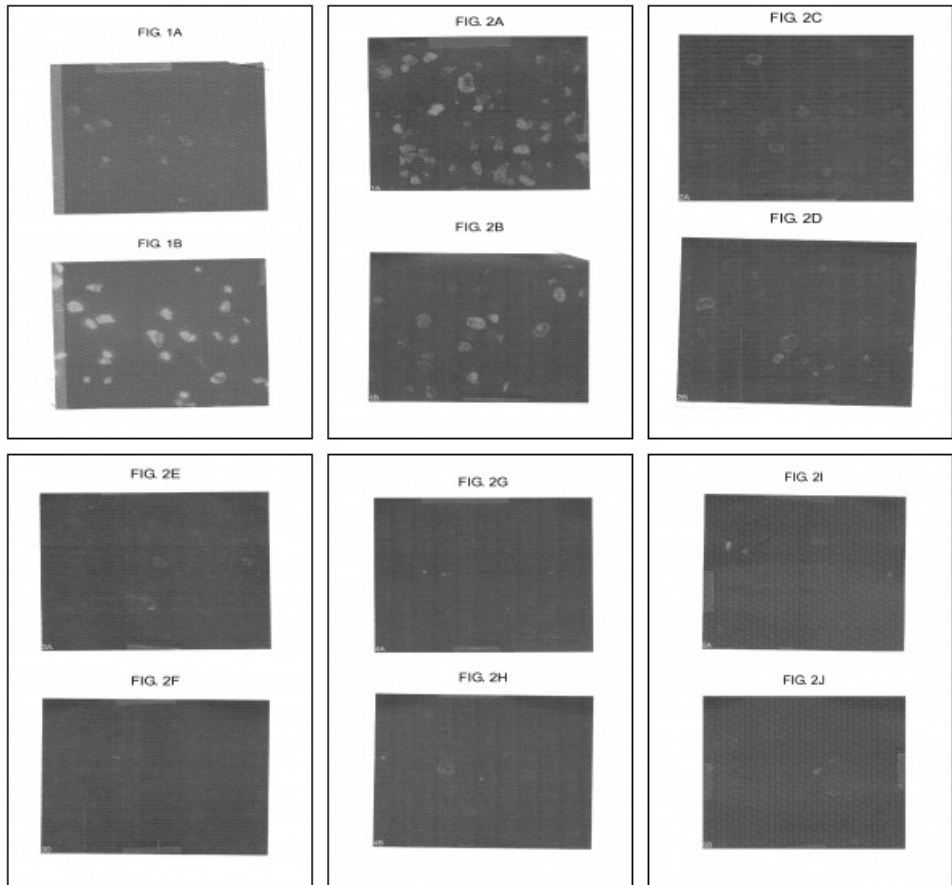


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**Title:**  
COMPOSITIONS FOR  
RADIOTHERAPY AND USES  
THEREOF

**Abstract:**  
Source: US2016331853A  
Provided herein are  
compositions and methods for  
treatment of a disease,  
disorder, or condition, such as  
a proliferative disease,  
disorder, or condition. One  
aspect provides a kit including  
a first composition including a  
bare ligand or a ligand coupled  
to a molecule or substrate; and  
a second composition including  
a receptor coupled to a  
radioisotope. Another aspect  
provides methods for treating a  
disease, disorder, or condition.

**Probable Assignee:**  
UNIV COLUMBIA  
**Assignee(s):(std):**  
TRUSTEES OF COLUMBIA UNIV  
IN CITY OF NEW YORK ; UNIV  
COLUMBIA



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