

25 Documents

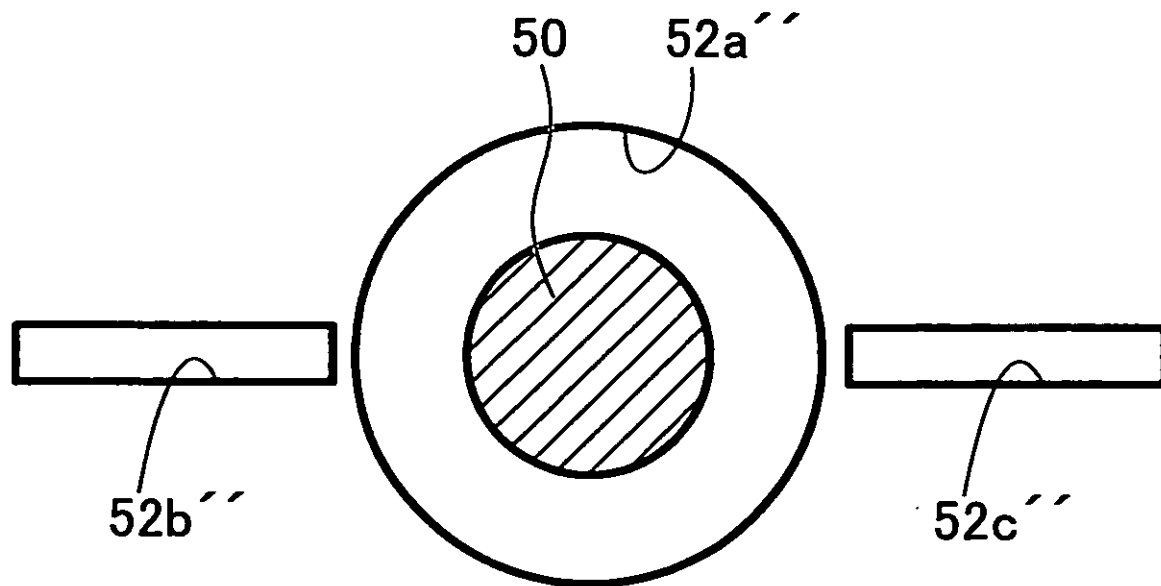
Publication numbers	Title	Current assignees
CN101352333 A	Non-contact type tonometer	TOPCON
DE4121713 A1	Method for estimation of intraocular pressure using free-falling ball	MEZHOTRASLEVOI NAUCHNO TEKH NICHESKY TSENTR MIKROK KIRURGIYA GLAZA
US20050182312 A1	Contact tonometer using mems technology	REICHERT
EP2057940 A1	Applanation tonometer	HAAG STREIT
WO9809564 A1	A tonometer system for measuring intraocular pressure by applanation and/or indentation	GEELUX HOLDINGS
EP-418746 A1	Method and apparatus for measuring the intro-ocular pressure.	DRAEGER JORG
EP2860555 A1	Device for tilting an optical element, particularly a mirror	OPTOTUNE
US20020049389 A1	Noninvasive measurement of chemical substances	GEELUX HOLDINGS
WO200025662 A1	Method and apparatus for signal transmission and detection using a contact device	GEELUX HOLDINGS
US6213943 B1	Method and apparatus for signal transmission and detection using a contact device	GEELUX HOLDINGS
WO9966862 A1	Non-invasively adjustable valve implant for the drainage of aqueous humor in glaucoma	EYETRONIC
US20070202054 A1	Nasal delivery of aqueous corticosteroid solutions	CYDEX PHARMACEUTICALS
WO2007121485 A2	Intraocular pressure attenuation device	ATTENUEX TECHNOLOGIES
WO201696919 A1	Personal health data collection	LEMAN MICRO DEVICES
GB201502989 D0	Personal health data collection	LEMAN MICRO DEVICES
US20050080345 A1	Apparatus and methods for non-invasively measuring hemodynamic parameters	TENSYS MEDICAL
US20040073123 A1	Non-invasively measuring hemodynamic parameters	TENSYS MEDICAL
WO201295499 A1	Apparatus and methods for treating excess intraocular fluid	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)
WO200811079 A2	Noninvasively measuring hemodynamic parameters	TENSYS MEDICAL
US20070106339 A1	Non-invasive treatment of bronchial constriction	ELECTROCORE
US20110319958 A1	Non-invasive treatment of a medical condition by vagus nerve stimulation	ELECTROCORE
WO2016183482 A1	Membrane-receiver complex therapeutics	RUBIUS THERAPEUTICS
US20150182588 A1	Synthetic membrane-receiver complexes	FLAGSHIP VENTURES

Publication numbers	Title	Current assignees
		MANAGEMENT, ...
CA2930665 A1	Synthetic membrane-receiver complexes	RUBIUS THERAPEUTICS
WO201491992 A1	Ophthalmologic device	TOPCON

Family 1/25 - FAMPAT - ©Questel

Title

(EP2022392)

Non-contact type **tonometer****Images****Publication data including kind & date**

CN101352333	A	2009-01-28	CN101352333
US2009030299	A1	2009-01-29	US20090030299
EP2022392	A2	2009-02-11	EP2022392
JP2009028287	A	2009-02-12	JP2009028287
EP2022392	A3	2009-04-22	EP2022392
CN101352333	B	2010-12-15	CN101352333B

**Abstract**

(EP2022392)

A non-contact type **tonometer** includes a air injector (1) for blowing air to a cornea (C) of a subject's eye (E) along a reference axis to deform the cornea, a projection optical system (5) for projecting projection light onto the subject's eye, a light-receiving optical system (6) for receiving reflected light which is projected from the projection optical system and reflected on the subject's eye, an alignment unit for positioning the projection optical system and the light-receiving optical system in the reference axis direction based on an amount of the reflected light which is received by the light-receiving optical system and an intraocular pressure detector for detecting a deformation of the cornea based on the reflected light amount. The projection optical system includes a light flux shape regulator (52) which regulates the projection light such that the projection light has a non-circular shape extending in a predetermined direction.

Inventors

NAITO TOMOKO

YANAGI EIICHI

SAGEHASHI HIDEO

Latest standardized assignees - inventors removed

TOPCON

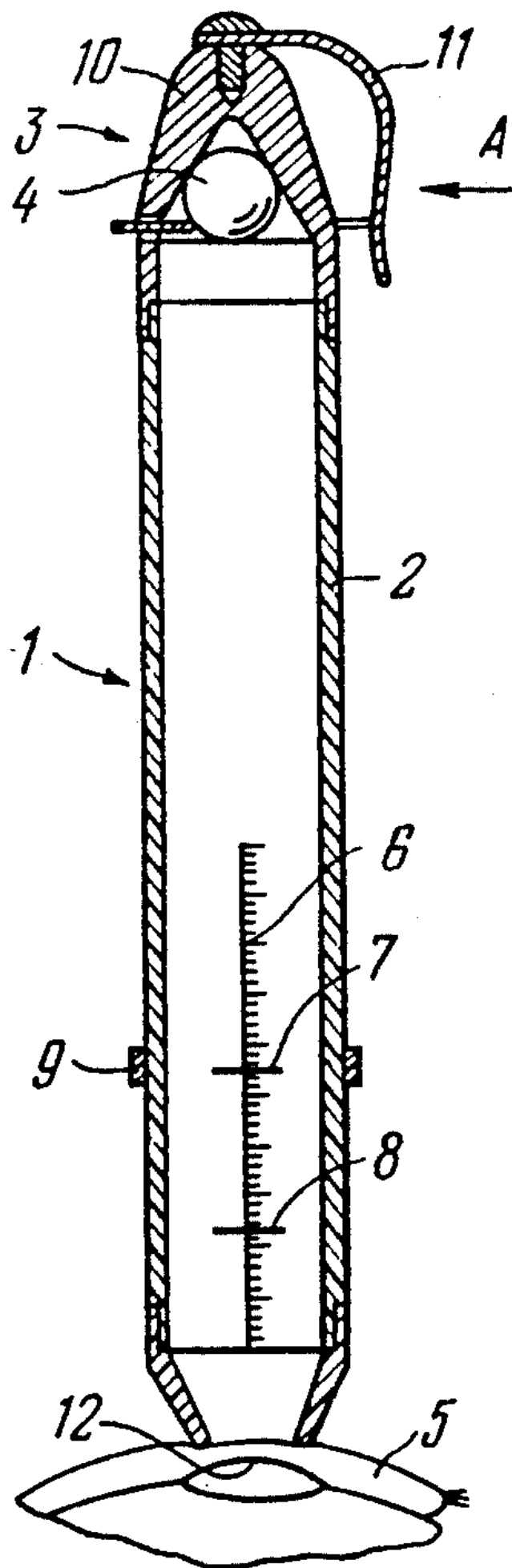
Family 2/25 - FAMPAT - ©Questel

Title

(US5176139)

Method for estimation of intraocular pressure using free-falling ball

Images



Publication data including kind & date

DE4121713	A1	1992-01-23	DE4121713
US5176139	A	1993-01-05	US5176139
RU2007951	C1	1994-02-28	RU2007951
SU2007951	C1	1994-02-28	SU2007951

**Abstract**

(US5176139)

A ball falls freely onto an eyelid-covered cornea, and the kinetic energy of the ball is converted into a force causing deformation of the cornea. The amount of the ball rebound varies depending on the amount of intraocular pressure and the latter is judged against the amount of the ball rebound.

An ocular **tonometer** has a tubular **housing**, wherein provision is made for a free falling of the ball kept by a special holder at one of the ends of the **housing**. The opposite end of the **housing** is placed on the eyelid so that the falling ball interacts with the cornea through the eyelid. The amount of the ball rebound characteristic of the amount of intraocular pressure, is registered either with the aid of a scale or by a special measuring instrument.

Inventors

FEDOROV SVYATOSLAV N

KOZIN MIKHAIL P

KUDASHOV NIKOLAI V

SAKHAROV JURY I

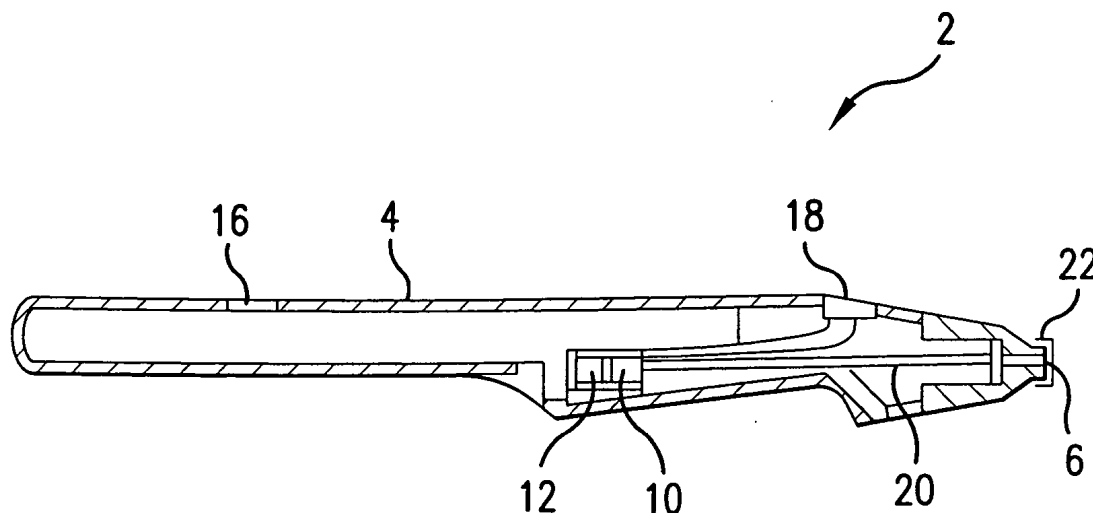
Latest standardized assignees - inventors removed

MEZHOTRASLEVOI NAUCHNO TEKHNICHESKY TSENTR MIKROK KIRURGIYA GLAZA

Family 3/25 - FAMPAT - ©Questel

Title

(WO200579659)

Contact **tonometer** using mems technology**Images****Publication data including kind & date**

US2005182312	A1	2005-08-18	US20050182312
WO2005079659	A1	2005-09-01	WO200579659

**Abstract**

(WO200579659)

An contact **tonometer** (2) for sensing intra-ocular pressure (IOP) including a microelectrode-mechanical system (MEMS) (10) device forming a transducer/sensor at or in contact with a contact end of the **tonometer** where the cornea is contacted

and electronics (12) receiving an electrical signal from the transducer and processing the signal to produce a display (16) indicative of intra-ocular pressure.

Inventors

CROCETTA MICHAEL JR

BRUCE JOHN C

Latest standardized assignees - inventors removed

REICHERT

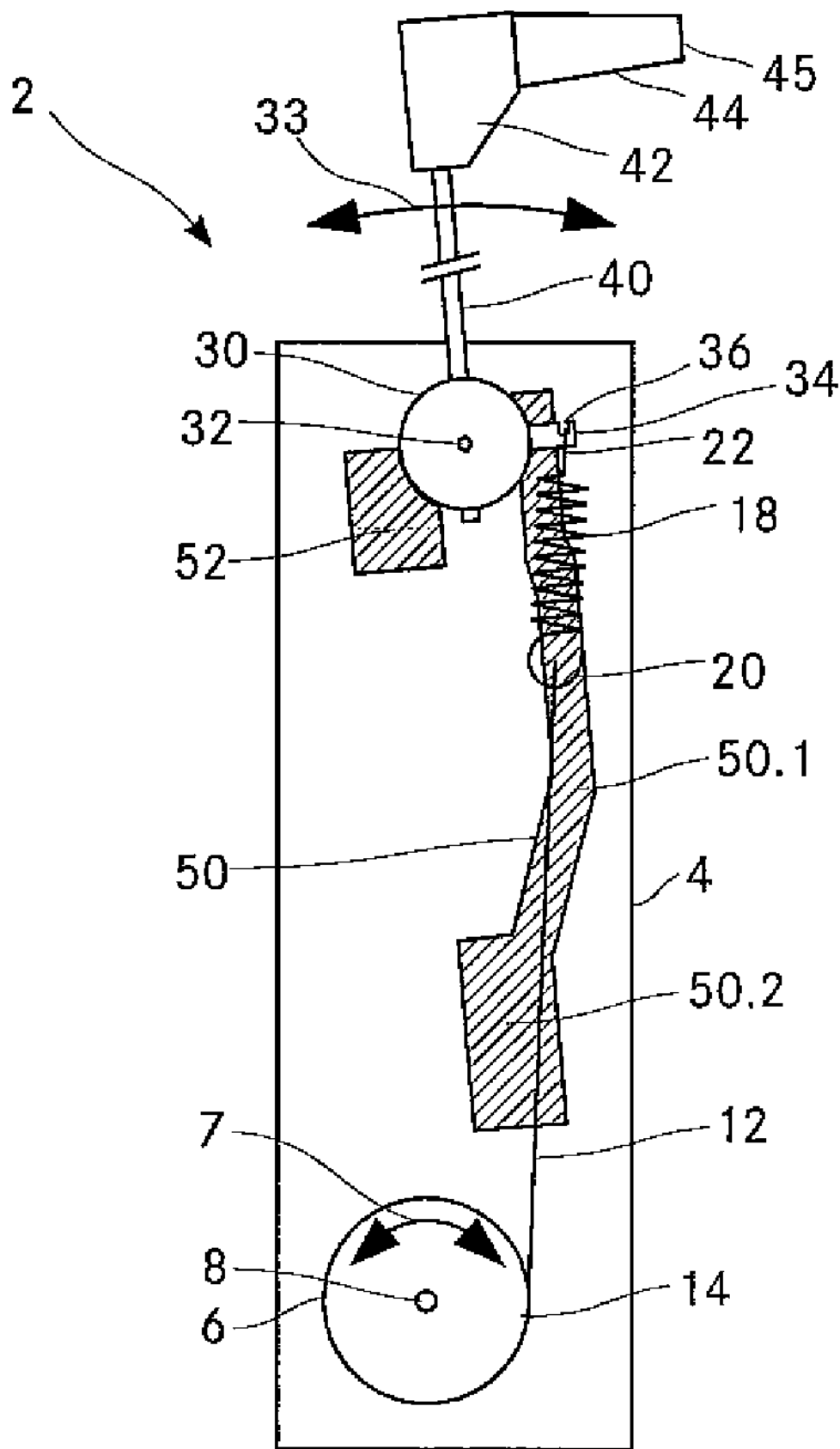
Family 4/25 - FAMPAT - ©Questel

Title

(EP2057940)

Applanation tonometer

Images



Publication data including kind & date

EP2057940	A1	2009-05-13	EP2057940
US2009131779	A1	2009-05-21	US20090131779
JP2009119266	A	2009-06-04	JP2009119266
CN101474062	A	2009-07-08	CN101474062
EP2057940	B1	2011-12-07	EP2057940



CN101474062	B	2012-05-23	CN101474062B
US8303501	B2	2012-11-06	US8303501
JP5307510	B2	2013-10-02	JP5307510

**Abstract**

(EP2057940)

The device i.e. applanation **tonometer** (2), has a measuring arrangement comprising a measuring body (44) for applanation of an eye. The arrangement has a mechanical coupling between a rotating knob and a pivoting axis (32). A measuring arm (40) is radially fastened at the pivoting axis. The coupling has a thin steel band (12), which is fastened at the pivoting axis via a lever arm (34) and at a rotation axis (8) of a shaft (6) via another lever arm. The steel band is windable during rotation of the knob around the rotation axis of the shaft. An independent claim is also included for a method for determining an intraocular pressure of an eye of a patient.

Inventors

SIEGENTHALER FRITZ

Latest standardized assignees - inventors removed

HAAG STREIT

Family 5/25 - FAMPAT - ©Questel

Title

(EP-926979)

A **tonometer** system for measuring intraocular pressure by applanation and/or indentation**Images**

KR20000068457	A	2000-11-25	KR20000068457				
JP2000517231	A	2000-12-26	JP2000517231				
AU741461	B2	2001-11-29	AU-741461				
BR9711993	C1	2002-08-13	BR9711993				
KR100411363	B1	2003-12-18	KR100411363				
IL128825	B	2004-07-25	IL-128825				
CA2264193	C	2008-03-25	CA2264193				
BRPI9711993	A2	2010-11-09	BR9711993				

Abstract

(EP-926979)

A **tonometer** system for measuring intraocular pressure by accurately providing a predetermined amount of applanation of the cornea, and detecting the amount of force required to achieve the predetermined amount of applanation. The system is also capable of measuring intraocular pressure by indenting the cornea using a predetermined force applied using an indenting element, and detecting the distance the indenting element (16) moves into the cornea when the predetermined force is applied, the distance being inversely proportional to intraocular pressure. Also provided is a method of using a **tonometer** system to measure hydrodynamic characteristics of the eye, especially outflow facility. The **tonometer** system includes a contact device for placement in contact with the cornea and an actuation apparatus (6) for actuating the contact device so that a portion thereof projects inwardly against the cornea to provide a predetermined amount of applanation. The system further includes a detecting arrangement (8) for detecting when the predetermined amount of applanation has been achieved, and a calculation unit responsive to the detecting arrangement (8) for determining intraocular pressure based on the amount of force the contact device must apply against the cornea in order to achieve the predetermined amount of applanation. An indentation distance detection arrangement is also provided for use when intraocular pressure is to be detected by indentation. In carrying out the method, the system is used to detect intraocular pressure between successive steps of forcing intraocular fluid out from the eye.

Inventors

ABREU MARCIO MARC AURELIO MART

Latest standardized assignees - inventors removed

GEELUX HOLDINGS

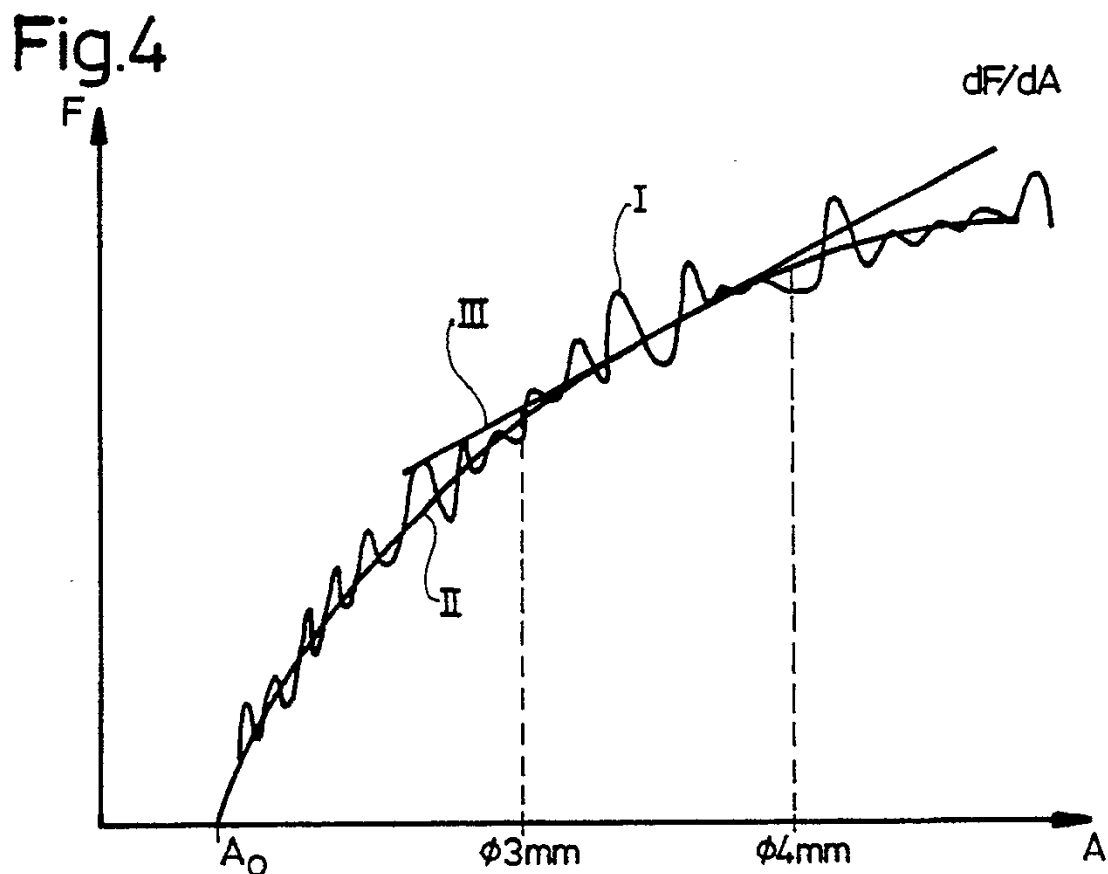
Family 6/25 - FAMPAT - ©Questel

Title

(EP-418746)

Method and apparatus for measuring the intro-ocular pressure.

Images



Publication data including kind & date

EP0418746	A1	1991-03-27	EP-418746
DE3931630	A1	1991-05-08	DE3931630
DE3931630	C2	1993-02-18	DE3931630
US5190042	A	1993-03-02	US5190042



Abstract

(EP-418746)

In order to measure the intraocular pressure using a **tonometer** in which, by means of a measuring prism pressing with predetermined force on the human eye, a corresponding relationship is established between the force and the thereby applanated surface, it is proposed to determine per time unit, in the course of a continuous pressure increase resulting from motor-operated, spring-loaded movement of the measuring prism, a multiplicity of in each case associated measurements of force and applanated surface and to plot these measurements in the form of a curve in such a way that the intraocular pressure can be determined differentially from the multiplicity of measurements. <IMAGE>

Inventors

HOCK BERTRAM

Latest standardized assignees - inventors removed

DRAEGER JORG

Family 7/25 - FAMPAT - ©Questel

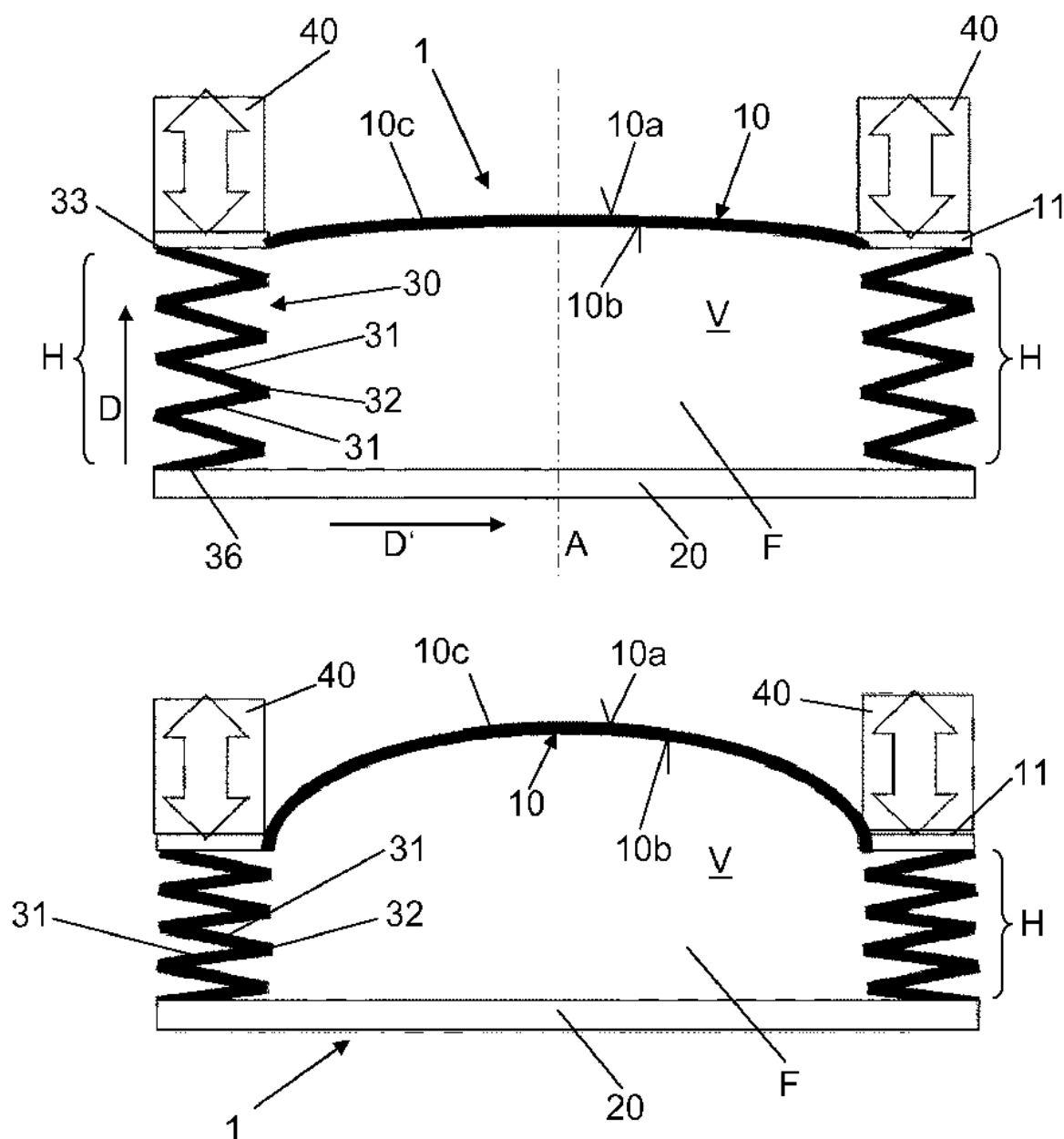
Title

(EP3204806)

Device for tilting an optical element, particularly a mirror

Images

Figure 2



Publication data including kind & date

EP2860555	A1	2015-04-15	EP2860555
WO2015052233	A1	2015-04-16	WO201552233
EP3006975	A2	2016-04-13	EP3006975
WO2016055253	A2	2016-04-14	WO201655253
EP3006975	A3	2016-05-25	EP3006975
WO2016055253	A3	2016-06-02	WO201655253
CN107003498	A	2017-08-01	CN107003498
EP3204806	A2	2017-08-16	EP3204806
KR20170096997	A	2017-08-25	KR20170096997
JP2017534075	A	2017-11-16	JP2017534075



Abstract

(EP3204806)

The invention relates to a device (1, 2) for pivoting an optical element (10), comprising: an optical element (10), wherein the optical element is movably mounted so that the optical element can be tilted at least about a first axis (A), a magnet (20)

extending in an extension direction (Z), wherein the **magnet** (20) comprises a magnetization (M) aligned with said extension direction (Z), and wherein the **magnet** (20) comprises a front side (20a), and wherein optical element (10) is rigidly coupled to the **magnet** (20) or to a first conductor section (30) that faces the front side (20a) of the **magnet** (20) in the extension direction (Z), wherein the first conductor section (30) extends along the first axis (A), and a current source means (50) electrically connected to the first conductor section (30), which current source means (50) is designed to apply an electrical current (I) to said first conductor section (30), so that a Lorentz force is generated that tilts the optical element (10) about said first axis (A) along a first tilting direction (x).

Inventors

ASCHWANDEN MANUEL

NIEDERER DAVID

SMOLKA STEPHAN

GRÄTZEL CHAUNCEY

PATSCHIEDER ROMAN

GEISSNER MARKUS

Latest standardized assignees - inventors removed

OPTOTUNE

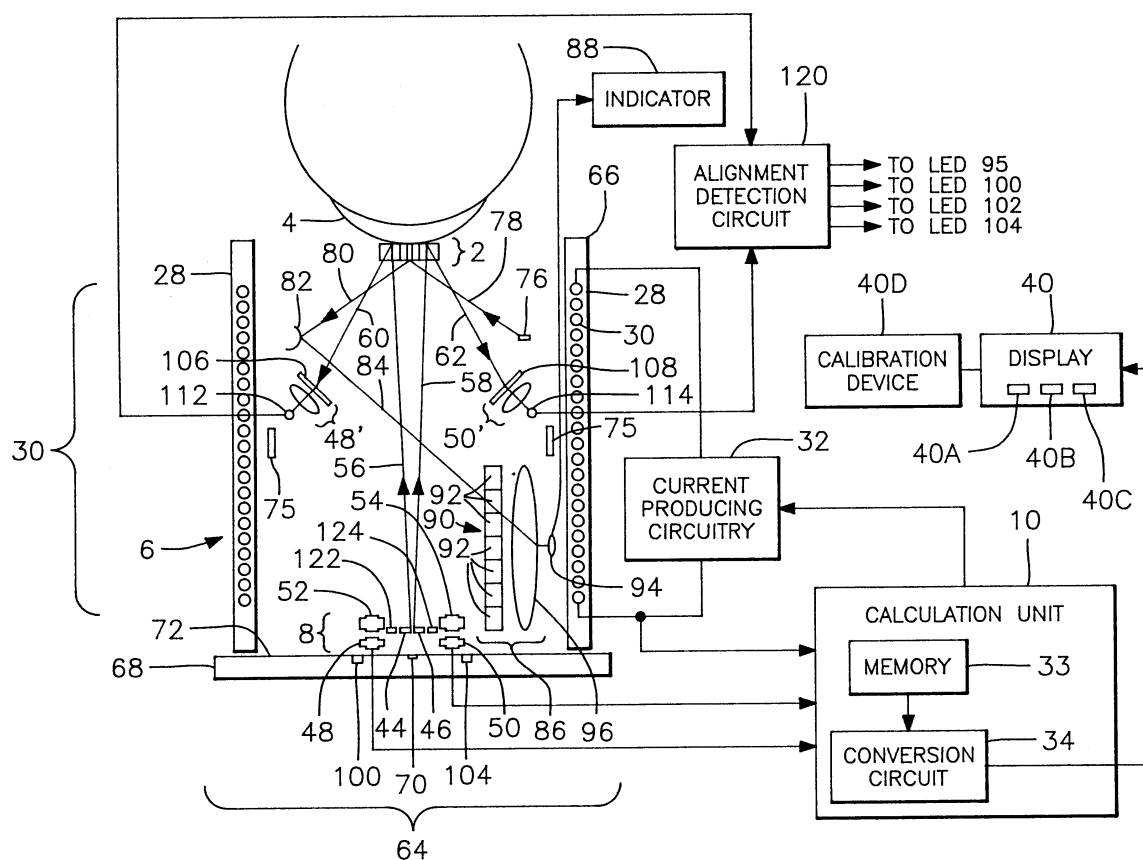
Family 8/25 - FAMPAT - ©Questel

Title

(EP1941829)

Noninvasive measurement of chemical substances

Images



Publication data including kind & date

US2002049389	A1	2002-04-25	US20020049389
WO02067688	A1	2002-09-06	WO200267688
CA2661960	A1	2002-09-06	CA2661960
CA2617312	A1	2002-09-06	CA2617312



CA2617004	A1	2002-09-06	CA2617004				
CA2438141	A1	2002-09-06	CA2438141				
US6544193	B2	2003-04-08	US6544193				
US2003139687	A1	2003-07-24	US20030139687				
WO02067688	A8	2003-10-23	WO200267688				
EP1370144	A1	2003-12-17	EP1370144				
US2004039298	A1	2004-02-26	US20040039298				
US2004039297	A1	2004-02-26	US20040039297				
CN1492735	A	2004-04-28	CN1492735				
JP2005502389	A	2005-01-27	JP2005502389				
EP1370144	A4	2005-12-14	EP1370144				
US7041063	B2	2006-05-09	US7041063				
US2007016074	A1	2007-01-18	US20070016074				
US2007142718	A1	2007-06-21	US20070142718				
EP1818008	A1	2007-08-15	EP1818008				
EP1820442	A1	2007-08-22	EP1820442				
EP1941829	A2	2008-07-09	EP1941829				
AU2001284656	B2	2008-07-10	AU2001284656				
US7403805	B2	2008-07-22	US7403805				
AU2008229673	A1	2008-10-30	AU2008229673				
EP1941829	A3	2009-01-21	EP1941829				
US2009036761	A1	2009-02-05	US20090036761				
CA2438141	C	2009-06-09	CA2438141				
CN100525631	C	2009-08-12	CN100525631C				
US7654957	B2	2010-02-02	US7654957				
CN101653354	A	2010-02-24	CN101653354				
US2010145180	A1	2010-06-10	US20100145180				
AU2008229673	B2	2010-06-17	AU2008229673				
US7756559	B2	2010-07-13	US7756559				
US7809417	B2	2010-10-05	US7809417				
JP2011005261	A	2011-01-13	JP2011005261				
US2011028807	A1	2011-02-03	US20110028807				
US2011040161	A1	2011-02-17	US20110040161				
JP4754770	B2	2011-08-24	JP4754770				
EP1818008	B1	2011-11-02	EP1818008				
ATE531315	T	2011-11-15	ATE531315				
DK1818008	T3	2012-02-20	DK1818008T				
CA2661960	C	2012-07-03	CA2661960				
JP5207490	B2	2013-06-12	JP5207490				
CA2617312	C	2014-02-11	CA2617312				
US8774885	B2	2014-07-08	US8774885				
CN101653354	B	2014-07-23	CN101653354B				
US8914089	B2	2014-12-16	US8914089				
US2015065837	A1	2015-03-05	US20150065837				
US2015085249	A1	2015-03-26	US20150085249				
BRPI0116987	A1	2015-12-22	BR200116987				
US2017258320	A1	2017-09-14	US20170258320				

Abstract

(EP1941829)

A contact device for placement adjacent to the conjunctiva of the eye comprises a **housing** for placement adjacent to the conjunctiva of the eye and a sensor contained in the **housing** for analyzing fluid from the conjunctiva for at least one of chemical, physical, cellular and molecular evaluation. The contact device is pre-loaded with at least one of an antigen or an antibody according to the evaluation to be performed.

Inventors

ABREU MARCIO MARC AURELIO MARTINUS

Latest standardized assignees - inventors removed

GEELUX HOLDINGS

Family 9/25 - FAMPAT - ©Questel

Title

(EP1126781)

Method and apparatus for signal transmission and detection using a contact device

Images

U.S. PATENT DOCUMENTS

4,944,303	7/2000	Saotomagi	128,648
4,947,849	8/2000	Takakashi et al.	128,648
4,981,67	8/2000	Conn	128,652
5,005,877	4/2001	Dreier	128,645
5,068,274	12/2002	Matsumoto	128,645
5,069,852	5/2002	Kaye et al.	128,645
5,148,807	9/2002	Hsu	128,645
5,165,709	11/2002	Conn	128,652
5,199,053	1/2003	Gunsar	128,645
5,183,044	2/2003	Nishio et al.	128,648
5,217,015	6/2003	Kaye et al.	128,645
5,281,627	10/2003	Morris	128,645
5,285,495	3/2004	Mandess	128,648
5,375,595	1/2004	Sinha et al.	128,645
5,626,635	6/2007	Masic et al.	128,652

OTHER PUBLICATIONS

IEEE Transactions on Bio Medical Engineering, vol. BME-14, No. 2, Apr., 1967, *Miniature Passive Pressure Transducer for Implanting in the Eye*, by C. C. Collins, pp. 77-83.
 Trans. Amer. Acad. of O. & O., Jan. Feb. 1957, *Tonometer Calibration. An Attempt to Remove Discrepancies Found in the 1954 Calibration Scale for Schiötz Tonometers* by Jonas S. Friedenwald, M. D., pp. 108-123.

Investigative Ophthalmology, Feb. 1967, *The Relationship Between Pressure and Volume Changes in Living and Dead Rabbit Eyes*, by John E. Eissenlauf and Maurice E. Langham, pp. 63-77.

Investigative Ophthalmology, Sep. 1971, vol. 10, No. 9, *Theory and Calibration of the Schiötz Tonometer VII. Experimental Results of Tonometric Measurements: Scale Reading Versus Indentation Volume*, by Robert A. Moses and Walter J. Grodzki, pp. 716-723.

The British Journal of Ophthalmology, Jun. 1920, *Communications, Tonometry*, by H.J. Schiötz, pp. 249-261.

Ophthalmologica vol. 150, No. 5, (1965), *Rheology of the Human Sclera, Unifying Formulation of Ocular Rigidity*, by W. K. McEwen and Roger St. Helen, pp. 322-346.

A.M.A. Archives of Ophthalmology, vol. 57, Apr. 1957, *Tonometer Calibration*, by Laure H. McBain, M.D., pp. 250-251.

American Journal of Ophthalmology, vol. 30, No. 10, Oct. 1957, *Contribution to the Theory and Practice of Tonometry* by Jonas S. Friedenwald, M.D., pp. 985-1024.

Publication data including kind & date

WO200025662	A1	2000-05-11	WO200025662
CA2348266	A1	2000-05-11	CA2348266
AU1904900	A	2000-05-22	AU200019049
US6120460	A	2000-09-19	US6120460
WO200025662	A9	2000-09-21	WO200025662
US6123668	A	2000-09-26	US6123668
EP1126781	A1	2001-08-29	EP1126781
US6312393	B1	2001-11-06	US6312393
CN1328432	A	2001-12-26	CN1328432
US2002049374	A1	2002-04-25	US2002049374



US6423001	B1	2002-07-23	US6423001				
JP2002528212	A	2002-09-03	JP2002528212				
US2003069489	A1	2003-04-10	US20030069489				
AU761842	B2	2003-06-12	AU-761842				
CN1200637	C	2005-05-11	CN1200637C				
HK1040896	A1	2005-10-14	HK1040896				
EP1126781	A4	2010-10-13	EP1126781				
EP1126781	B1	2016-12-21	EP1126781				

Abstract

(EP1126781)

This invention is a utilization of a contact device (2) placed on the front part of the eye (4) in order to detect physical, chemical parameters of the body as well as the non-invasive delivery of compounds according to these physical, chemical parameters, with signals preferably being transmitted continuously as electromagnetic waves, radio waves, infrared, and the like. One of the parameters to be detected includes non-invasive blood analysis utilizing chemical changes, chemical products that are found in the front part of the eye, and in the tear film. The contact device (2) includes a rigid annular member (12), a flexible membrane (14), and a movable central piece (16).

Inventors

ABREU MARCIO MARC AURELIO MARTINS

Latest standardized assignees - inventors removed

GEELUX HOLDINGS

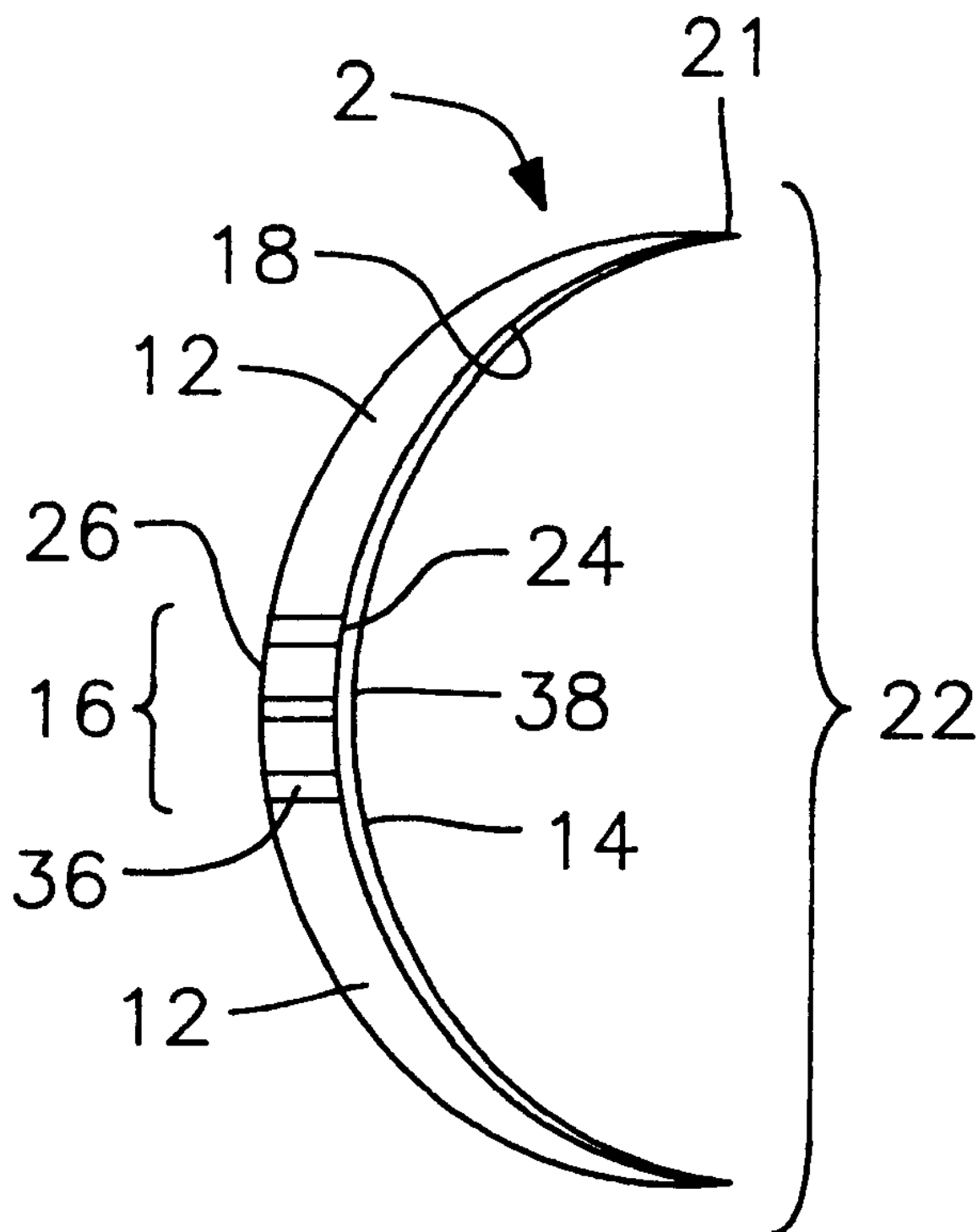
Family 10/25 - FAMPAT - ©Questel

Title

(US6213943)

Method and apparatus for signal transmission and detection using a contact device

Images

**Publication data including kind & date**[US6213943](#)

B1 2001-04-10 US6213943

**Abstract**

(US6213943)

Utilization of a contact device placed on the front part of the eye in order to detect physical and chemical parameters of the body as well as the non-invasive delivery of compounds according to these physical and chemical parameters, with signals preferably being transmitted continuously as electromagnetic waves, radio waves, infrared and the like. One of the parameters to be detected includes non-invasive blood analysis utilizing chemical changes and chemical products that are found in the front part of the eye and in the tear film. A transensor mounted in the contact device laying on the cornea or the surface of the eye is capable of evaluating and measuring physical and chemical parameters in the eye including non-

invasive blood analysis. The system preferably utilizes eye lid motion and/or closure of the eye lid to activate a microminiature radio frequency sensitive transensor mounted in the contact device. The signal can be communicated by cable, but is preferably actively or passively radio telemetered to an externally placed receiver. The signal can then be processed, analyzed and stored. Several parameters can be detected including a complete non-invasive analysis of blood components, measurement of systemic and ocular blood flow, measurement of heart rate and respiratory rate, tracking operations, detection of ovulation, detection of radiation and drug effects, diagnosis of ocular and systemic disorders and the like. Other advantages are somnolence awareness, activation of devices by disabled individuals, a new drug delivery system and new therapy for ocular and neurologic disorders, and treatment of cancer in the eye or other parts of the body, and an evaluation system for the overall health status of an individual. The device quantifies non-invasively the amount of the different chemical components in the blood using a contact device with suitable electrodes and membranes laying on the surface of the eye and in direct contact with the tear film or surface of the eye, with the data being preferably transmitted utilizing radio waves, but alternatively sound waves, light waves, wire, or telephone lines can be used for transmission.

Inventors

ABREU MARCIO MARC

Latest standardized assignees - inventors removed

GEELUX HOLDINGS

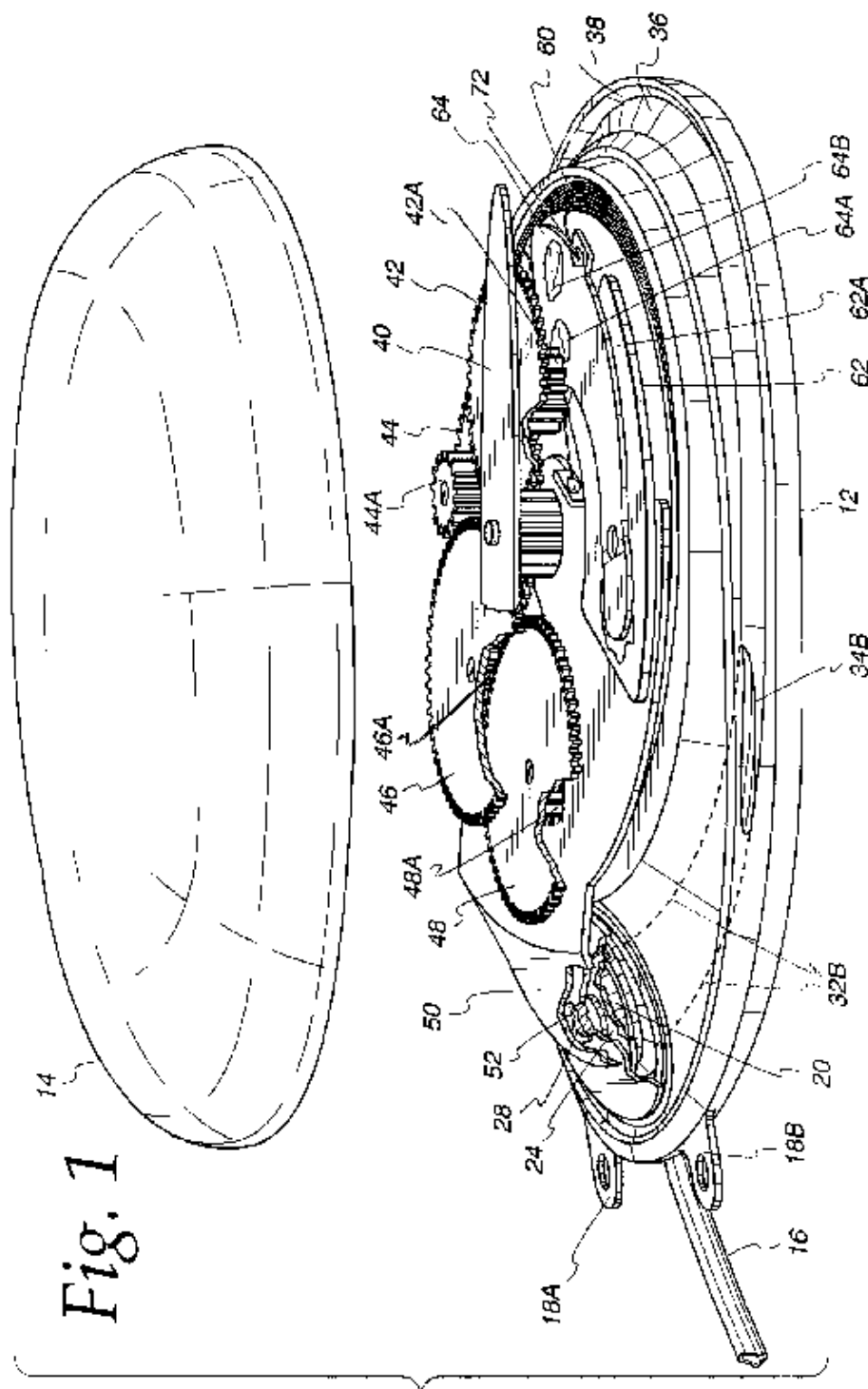
Family 11/25 - FAMPAT - ©Questel

Title

(WO9966862)

Non-invasively adjustable valve implant for the drainage of aqueous humor in glaucoma

Images



Publication data including kind & date

WO9966862

A1 1999-12-29 WO9966862

AU4340199

A	2000-01-10	AU9943401
---	------------	-----------

US6077299

A 2000-06-20 US6077299



Abstract

(WO9966862)

A medical implant valve (10), for example, a glaucoma valve, is configured to be non-adjustable. A rotor (40) is operatively coupled to a valve (24) to enable the position of the valve (24) to be adjusted between an open and closed position; the rotor (40) being responsive to a magnetic field (96). An external instrument (90) is used to control rotation of the rotor (40).

Inventors

ADELBERG DANIEL A

SCHLUTER PAUL S

Latest standardized assignees - inventors removed

EYETRONIC

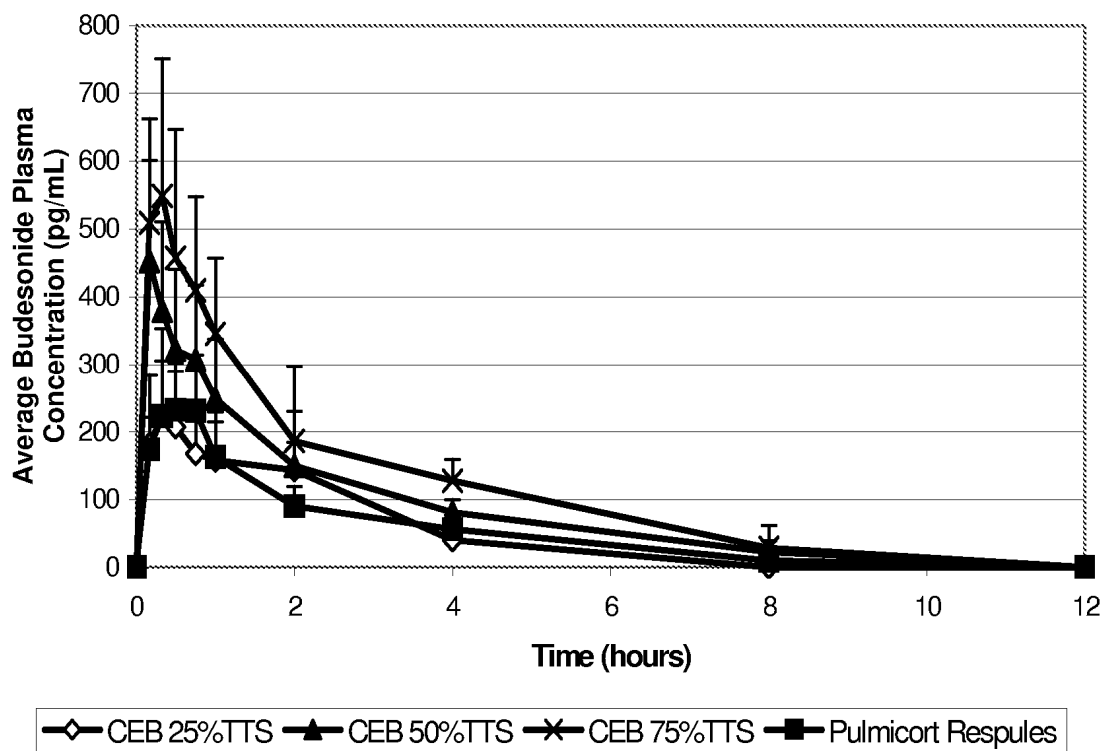
Family 12/25 - FAMPAT - ©Questel

Title

(EP2173169)

Nasal delivery of aqueous corticosteroid solutions

Images



Publication data including kind & date

US2007202054	A1	2007-08-30	US20070202054
WO2008005819	A2	2008-01-10	WO200805819
WO2008005802	A2	2008-01-10	WO200805802
WO2008005053	A1	2008-01-10	WO200805053
CA2656318	A1	2008-01-10	CA2656318
AU2006345712	A1	2008-01-10	AU2006345712
WO2008005819	A3	2008-10-23	WO200805819
WO2009003199	A1	2008-12-31	WO200903199
CA2728386	A1	2008-12-31	CA2728386
MX2009000065	A	2009-03-06	MX2009000065
EP2043599	A1	2009-04-08	EP2043599
WO2008005802	A3	2009-04-09	WO200805802
IN10790/DELNP/2008	A	2009-05-22	IN2008DN10790
KR20090057174	A	2009-06-04	KR20090057174
IL196185	A	2009-09-22	IL-196185
JP2009542649	A	2009-12-03	JP2009542649
US2009312724	A1	2009-12-17	US20090312724
CN101636144	A	2010-01-27	CN101636144
WO2009003199			



	A8	2010-03-25	WO200903199				
EP2173169	A1	2010-04-14	EP2173169				
EP2173169	A4	2010-08-04	EP2173169				
CN101795565	A	2010-08-04	CN101795565				
RU2009102994	A	2010-08-10	RU2009102994				
JP2010531898	A	2010-09-30	JP2010531898				
US2011123518	A1	2011-05-26	US20110123518				
EP2043599	A4	2011-06-29	EP2043599				
BRPI0621773	A2	2011-12-20	BR200621773				
BRPI0621773	A2	2011-12-20	BRPI0621773				
CN102319231	A	2012-01-18	CN102319231				
IL196185	A	2012-06-28	IL-196185				
RU2011104059	A	2012-08-10	RU2011104059				
BRPI0621773	A8	2013-06-11	BR200621773				
NZ597354	A	2013-08-30	NZ-597354				
EP2173169	B1	2014-05-21	EP2173169				
PT2173169	E	2014-09-03	PT2173169				
JP2014159467	A	2014-09-04	JP2014159467				
ES2493641	T3	2014-09-12	ES2493641				
KR20150043563	A	2015-04-22	KR20150043563				
CA2728386	C	2016-06-07	CA2728386				
KR20160077228	A	2016-07-01	KR20160077228				
JP2016138114	A	2016-08-04	JP2016138114				
CN106038481	A	2016-10-26	CN106038481				
KR101691222	B1	2016-12-29	KR101691222				
IN283080	B	2017-05-19	IN-283080				
JP6140321	B2	2017-05-31	JP6140321				
JP2017149765	A	2017-08-31	JP2017149765				
KR101807726	B1	2017-12-11	KR101807726				

Abstract

(EP2173169)

The present invention is directed to methods of treating nasal and/or ophthalmic diseases, symptoms, or disorders that are therapeutically responsive to corticosteroid therapy by delivering aqueous solution formulations comprising a corticosteroid to nasal and ophthalmic tissues. The invention is also directed to methods, systems, devices, and compositions for delivering aqueous solution formulations comprising a corticosteroid and an antihistamine to nasal and ophthalmic tissues. watering eyes

Inventors

PIPKIN JAMES D

ZIMMERER RUPERT O

SIEBERT JOHN M

Latest standardized assignees - inventors removed

CYDEX PHARMACEUTICALS

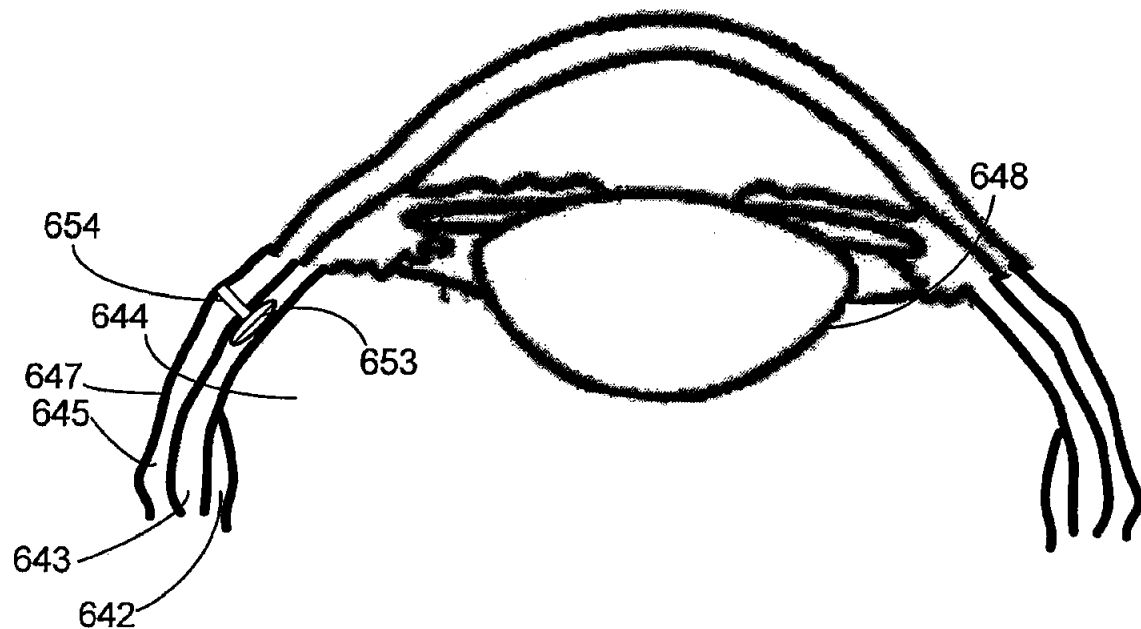
Family 13/25 - FAMPAT - ©Questel

Title

(EP2012654)

Intraocular pressure attenuation device

Images



Publication data including kind & date

WO2007121485	A2	2007-10-25	WO2007121485
CA2649721	A1	2007-10-25	CA2649721
AU2007237905	A1	2007-10-25	AU2007237905
US2008027304	A1	2008-01-31	US20080027304
WO2007121485	A3	2008-10-30	WO2007121485
EP2012654	A2	2009-01-14	EP2012654
JP2009534129	A	2009-09-24	JP2009534129



Abstract

(EP2012654)

Described herein are devices and methods that dampen transient intraocular pressure including pressure spikes experienced by the eye. The illustrative embodiments attenuate pressure waves and, thus, reduce wall stresses in a non-compliant eye such that the optic nerve is protected from damage in an ocular hypertensive or glaucoma patient, or during traumatic ocular procedures, and the refractive disorders of myopia, hyperopia, and/or presbyopia are moderated or reversed. In one embodiment, a compressible attenuation device insertable within the chambers of the eye preferably has an expanded volume within the range of from about 0.1 cc to 7 cc. The attenuation device may include a valve for filling the attenuation device and a high vapor pressure media having a vapor pressure approximately equal to the intraocular pressure of the eye and a permeability of less than 1 ml/day at body temperature through an outer wall of the device.

Inventors

PARDO GEOFFREY
CONNORS KEVIN S
CUNANAN CRYSTAL

Latest standardized assignees - inventors removed

ATTENUEX TECHNOLOGIES

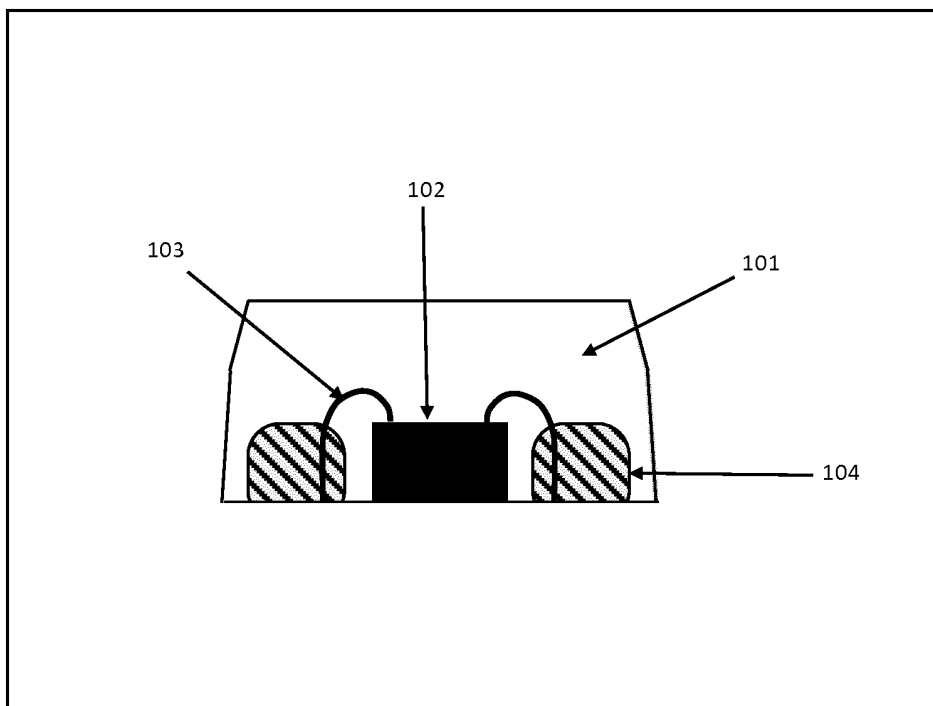
Family 14/25 - FAMPAT - ©Questel

Title

(EP3232918)

Personal health data collection

Images

**Publication data including kind & date**

WO2016096919	A1	2016-06-23	WO201696919
AU2015367622	A1	2017-08-03	AU2015367622
EP3232918	A1	2017-10-25	EP3232918
US2017360374	A1	2017-12-21	US20170360374

**Abstract**

(EP3232918)

The present application provides a personal hand-held monitor for the measurement of a subject's blood pressure and, optionally, one or more other vital signs, comprising a **housing** located on a personal hand-held computing device or a hand-held component of a computing system; a blood flow occlusion means located in the **housing**; a pressure sensor adapted to provide an electrical signal indicative of the pressure applied; a means for detecting the flow of blood in the body part of the subject when pressure is applied; and means for receiving electrical signals from the pressure sensor and the blood flow detecting means and for transmitting electrical signals indicative of the pressure and blood flow to the processor of the personal hand-held computing device or the computing system, wherein the processor of the personal hand-held computing device or computing system provide at least a measurement of the blood pressure of a subject. The processor is further adapted to carry out a process to measure a diastolic blood pressure value and a systolic blood pressure value.

Inventors

ELLIOTT CHRISTOPHER
JONES MARK-ERIC
NAGOGA MIKHAIL
GAWAD SHADY
BENNETT MARK

Latest standardized assignees - inventors removed

LEMAN MICRO DEVICES

Family 15/25 - FAMPAT - ©Questel

Title

(GB201502989)

Personal health data collection

Publication data including kind & date

GB201502989	D0	2015-04-08	GB201502989
IN201717025250	A	2017-11-10	IN201717025250

**Abstract**

(IN201717025250)

The present application provides a personal hand held monitor for the measurement of a subject s blood pressure and optionally one or more other vital signs comprising a **housing** located on a personal hand held computing device or a hand held component of a computing system; a blood flow occlusion means located in the **housing**; a pressure sensor adapted to provide an electrical signal indicative of the pressure applied; a means for detecting the flow of blood in the body part of the subject when pressure is applied; and means for receiving electrical signals from the pressure sensor and the blood flow detecting means and for transmitting electrical signals indicative of the pressure and blood flow to the processor of the personal hand held computing device or the computing system wherein the processor of the personal hand held computing device or computing system provide at least a measurement of the blood pressure of a subject. The processor is further adapted to carry out a process to measure a diastolic blood pressure value and a systolic blood pressure value.

Inventors

Christopher ELLIOTT

Mark BENNETT

Eric JONES Mark

Mikhail NAGOGA

Shady GAWAD

Latest standardized assignees - inventors removed

LEMAN MICRO DEVICES

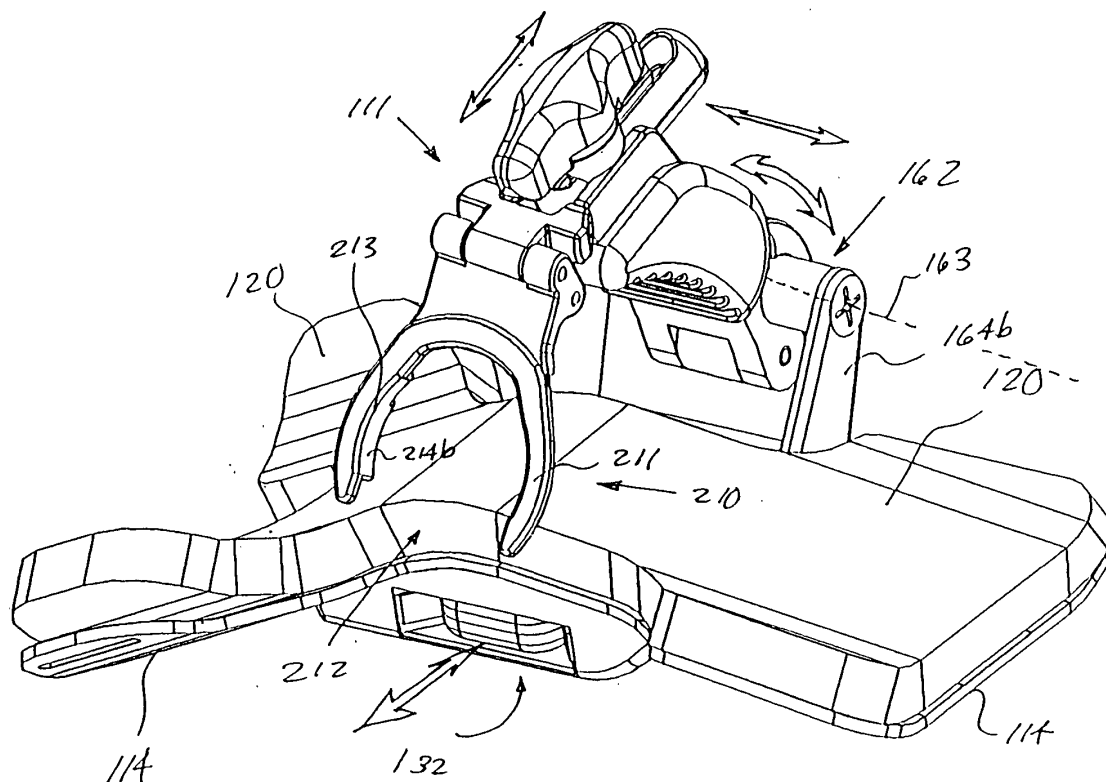
Family 16/25 - FAMPAT - ©Questel

Title

(EP1786317)

Apparatus and methods for non-invasively measuring hemodynamic parameters

Images



Publication data including kind & date

US2005080345	A1	2005-04-14	US20050080345
WO2006124049	A2	2006-11-23	WO2006124049
CA2577622	A1	2006-11-23	CA2577622
WO2006124049	A9	2007-03-01	WO2006124049
EP1786317	A2	2007-05-23	EP1786317
JP2008510516	A	2008-04-10	JP2008510516
WO2006124049	A3	2009-04-16	WO2006124049



Abstract

(EP1786317)

Improved apparatus and methods for non-invasively assessing one or more hemodynamic parameters associated with the circulatory system of a living organism. In one aspect, the invention comprises apparatus adapted to accurately place and maintain a sensor (e.g., tonometric pressure sensor) with respect to the anatomy of the subject, including an alignment apparatus which is separable from an adjustable fixture. The alignment apparatus moveably captures the sensor to, inter alia, facilitate coupling thereof to an actuator used to position the sensor during measurements. The alignment apparatus also advantageously allows the sensor position to be maintained when the fixture is removed from the subject, such as during patient transport. Methods for positioning the alignment apparatus and sensor, correcting for hydrostatic pressure effects, and providing treatment to the subject are also disclosed.

Inventors

FINBURGH SIMON E
 HEMPSTEAD RUSSELL D
 PERONA MARK W
 VIDISCHAK RONALD J
 MARKLE WILLIAM H
 PORRECO ALLISON C
 BUTLER ANTHONY T

Latest standardized assignees - inventors removed

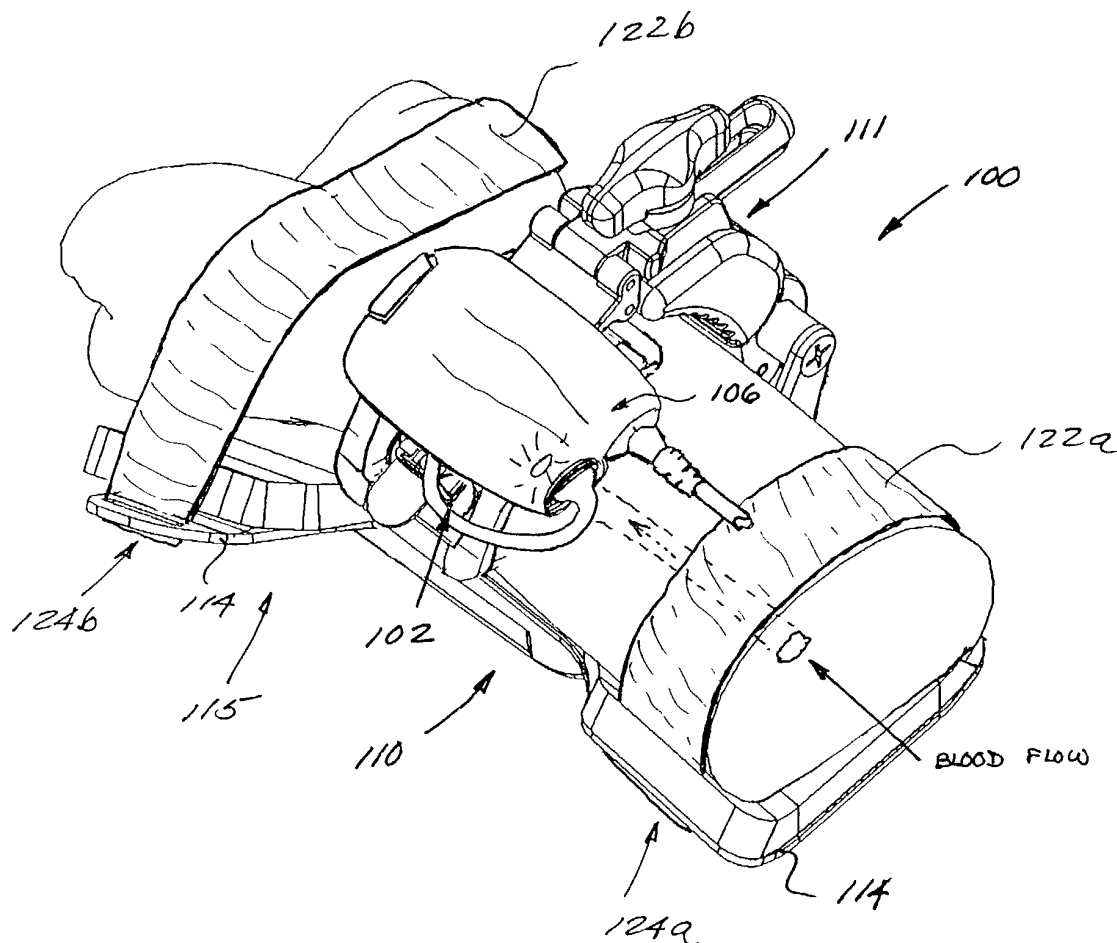
TENSYS MEDICAL

Family 17/25 - FAMPAT - ©Questel

Title

(EP1551284)

Non-invasively measuring hemodynamic parameters

Images**Publication data including kind & date**

US2004073123	A1	2004-04-15	US20040073123
WO2004032748	A1	2004-04-22	WO200432748
CA2501749	A1	2004-04-22	CA2501749
AU2003284042	A1	2004-05-04	AU2003284042
KR20050072436	A	2005-07-11	KR20050072436
EP1551284	A1	2005-07-13	EP1551284
CN1722977	A	2006-01-18	CN1722977
JP2006501966	A	2006-01-19	JP2006501966
NZ539663	A	2006-09-29	NZ-539663
IN0856/KOLNP/2005	A	2007-01-05	IN2005KN00856
EP1551284	A4	2008-03-19	EP1551284
US2015196204	A1	2015-07-16	US20150196204
EP1551284	B1	2016-04-06	EP1551284
ES2573857	T3	2016-06-10	ES2573857

**Abstract**

(EP1551284)

Improved apparatus (100) and methods for non-invasively assessing one or more hemodynamic parameters associated with the circulatory system of a living organism. In one aspect, the invention comprises apparatus (100) adapted to

accurately place and maintain a sensor (101) (e.g., tonometric pressure sensor) with respect to the anatomy of the subject, including an alignment apparatus (230) which is separable from an adjustable fixture (257). The alignment apparatus (230) moveably captures the sensor (101) to, inter alia, facilitate coupling thereof to an actuator (106) used to position the sensor (101) during measurements. The alignment apparatus (230) also advantageously allows the sensor (101) position to be maintained when the fixture (100) is removed from the subject, such as during patient transport. Methods for positioning the alignment apparatus (230) and sensor (101), correcting for hydrostatic pressure effects, and providing treatment to the subject are also disclosed.

Inventors

HESSEL STEPHEN R

FINBURGH SIMON E

HEMPSTEAD RUSSELL D

PERONA MARK W

VIDISCHAK RONALD J

VOSS GREGORY I

CONERO RONALD S

MARKLE WILLIAM H

Latest standardized assignees - inventors removed

TENSYS MEDICAL

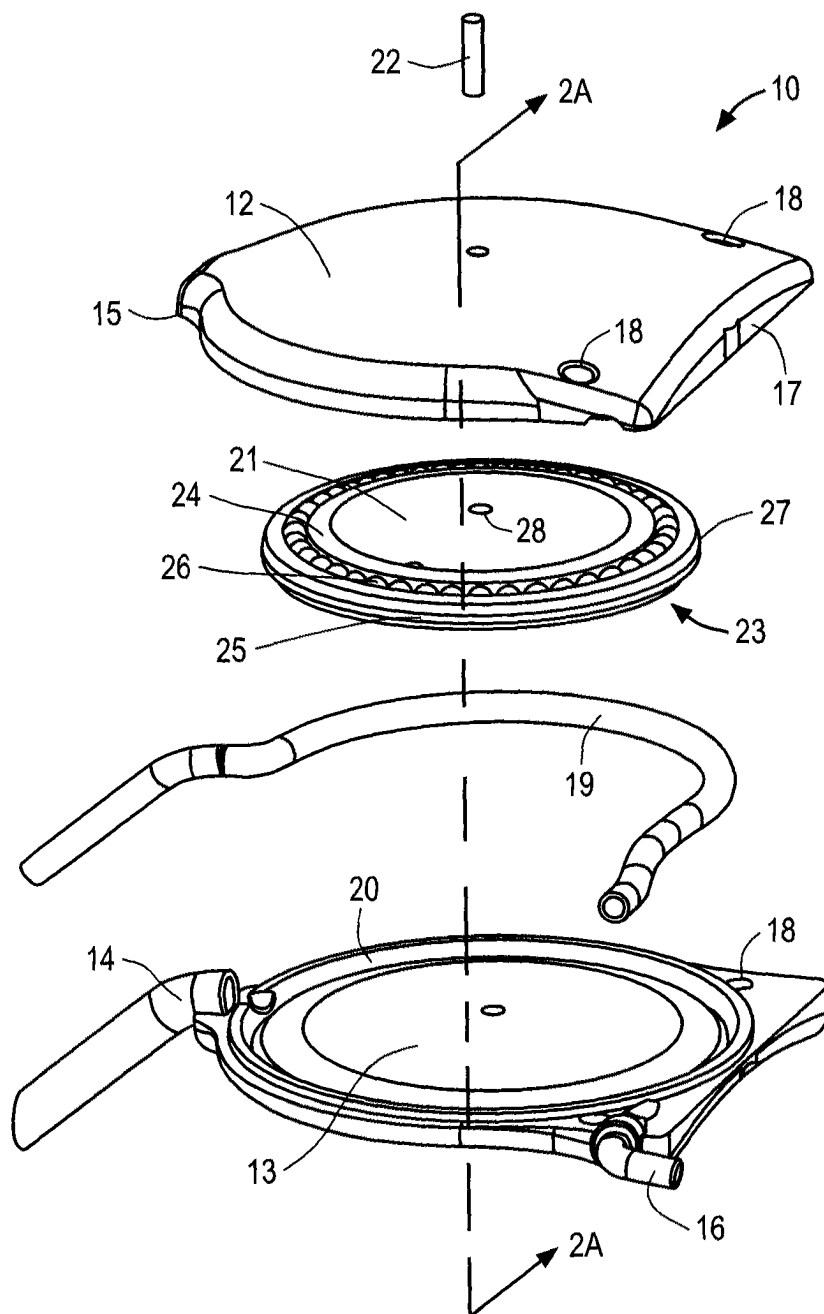
Family 18/25 - FAMPAT - ©Questel

Title

(EP2663271)

Apparatus and methods for treating excess intraocular fluid

Images



Publication data including kind & date

WO2012095499	A1	2012-07-19	WO201295499
US2012184892	A1	2012-07-19	US20120184892
CN103327940	A	2013-09-25	CN103327940
EP2663271	A1	2013-11-20	EP2663271
JP2014507978	A	2014-04-03	JP2014507978
EP2663271	B1	2014-12-03	EP2663271
ES2528350	T3	2015-02-09	ES2528350
US9101445	B2	2015-08-11	US9101445
CN103327940	B	2015-10-14	CN103327940B
US2015335488	A1	2015-11-26	US20150335488
JP2017060816	A	2017-03-30	JP2017060816
US9655779	B2	2017-05-23	US9655779



US2017348148

A1 2017-12-07 US20170348148

JP6330014

B2 2018-05-23 JP6330014

**Abstract**

(EP2663271)

An ocular drainage system is provided for treating diseases that produce elevated intraocular pressures, such as glaucoma, wherein the system includes an implantable device and an external control unit. The implantable device includes a non-invasively adjustable valve featuring at least one deformable tube and a disk rotatably mounted within a **housing**, such that rotation of the disk using the external control unit causes the disk to apply a selected amount of compression to the deformable tube, thereby adjusting the fluidic resistance of the deformable tube and regulating the intraocular pressure.

Inventors

BIGLER STÉPHANE

STERGIOPULOS NIKOLAOS

Latest standardized assignees - inventors removed

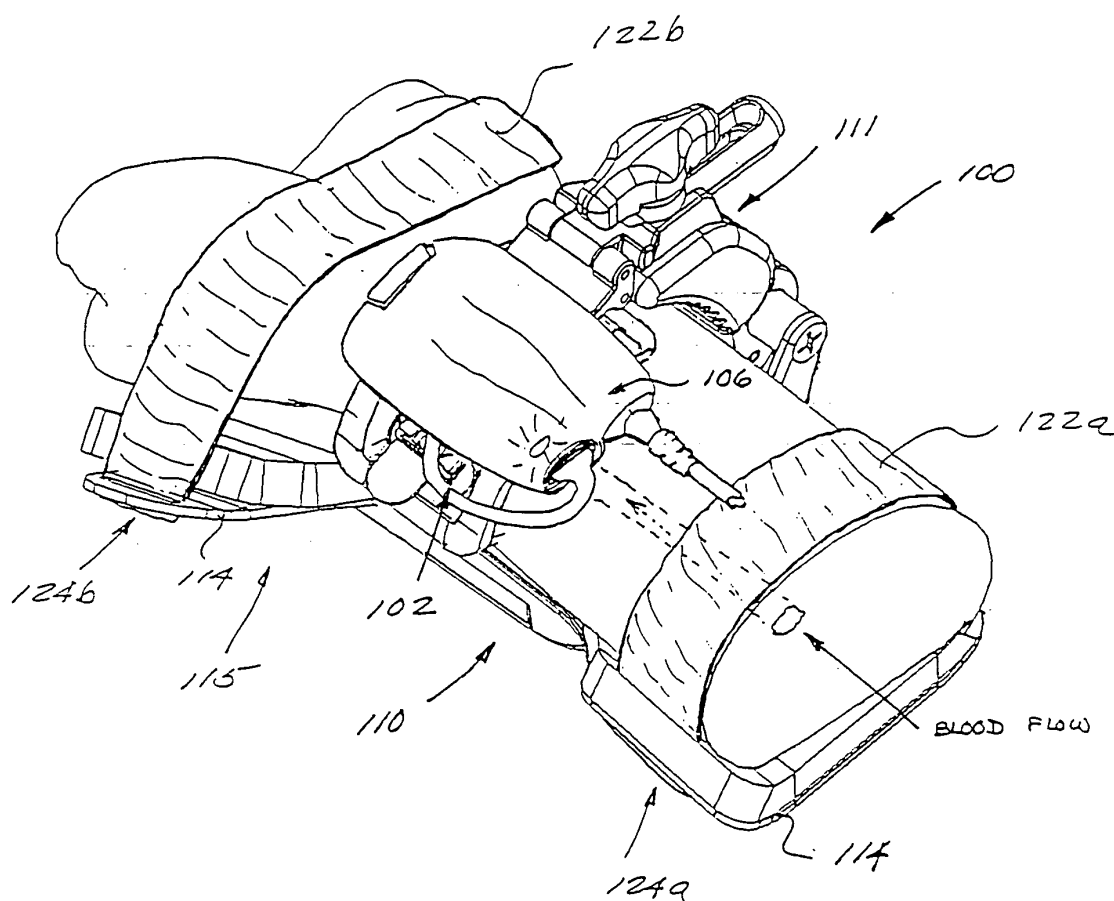
ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)

Family 19/25 - FAMPAT - ©Questel

Title

(EP2053962)

Noninvasively measuring hemodynamic parameters

Images**Publication data including kind & date**

WO2008011079

A2 2008-01-24 WO200811079

US2008021334

A1 2008-01-24 US20080021334

WO2008011079

A3 2008-10-02 WO200811079

EP2053962

A2 2009-05-06 EP2053962



IN0662/KOLNP/2009	A	2009-05-15	IN2009KN00662				
JP2009543664	A	2009-12-10	JP2009543664				
EP2053962	A4	2010-12-01	EP2053962				
US2011213255	A1	2011-09-01	US20110213255				
JP5175846	B2	2013-04-03	JP5175846				

Abstract

(EP2053962)

Improved apparatus and methods for non-invasively assessing one or more hemodynamic parameters associated with the circulatory system of a living organism. In one aspect, the invention comprises apparatus adapted to accurately place and maintain a sensor (e.g., tonometric pressure sensor) with respect to the anatomy of the subject, including an alignment apparatus which is separable from an adjustable fixture. The apparatus moveably captures the sensor to, inter alia, facilitate coupling thereof to an actuator used to position the sensor during measurements. In a second aspect, improved sensor apparatus is disclosed adapted to minimize the effects of shear during sensor movement and monitoring as well as maximize the lateral and proximal search area available to the sensor within the apparatus. Methods for positioning the alignment apparatus and sensor are also disclosed.

Inventors

FINBURGH SIMON E

VIDISCHAK RONALD J

BUTLER ANTHONY T

JONES CHRISTOPHER M

ESHBAUGH DAVID L

KARTEN STUART

PIOREK STEVE

Latest standardized assignees - inventors removed

TENSYS MEDICAL

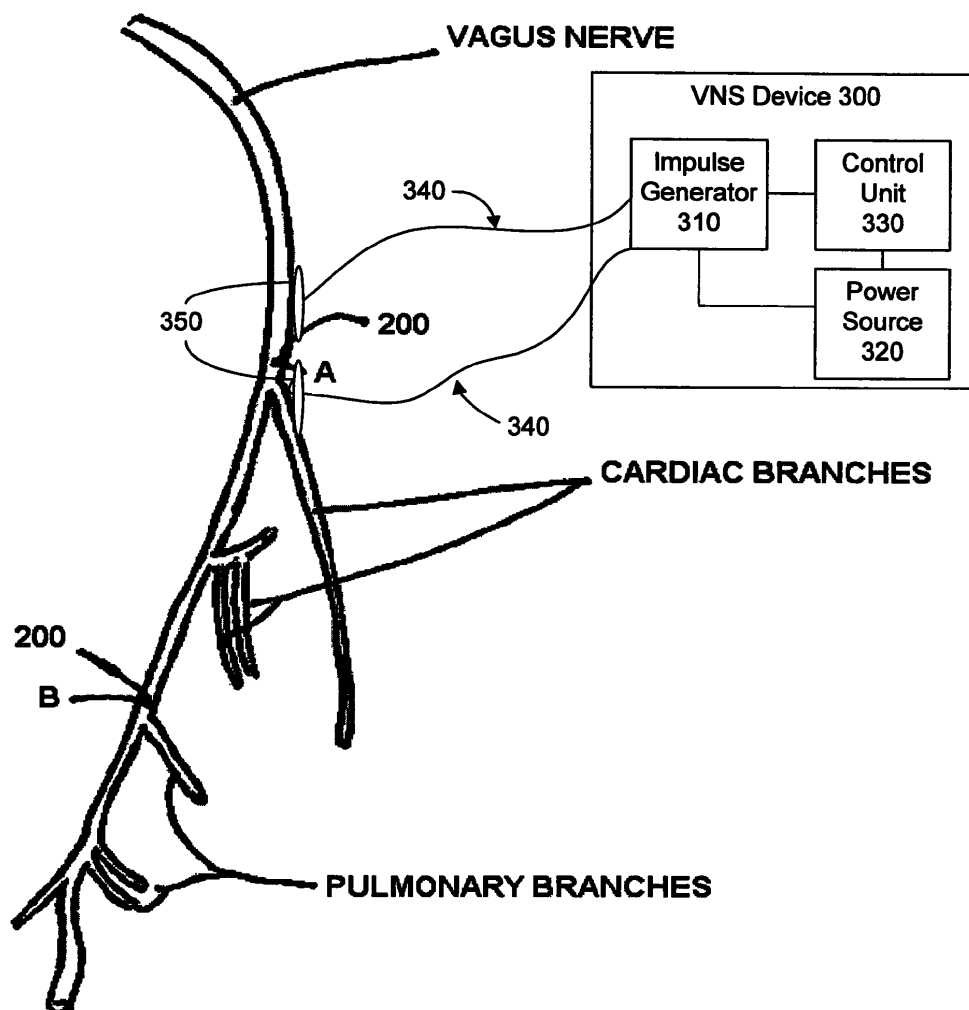
Family 20/25 - FAMPAT - ©Questel

Title

(EP2605827)

Non-invasive treatment of bronchial constriction

Images



Publication data including kind & date

US2007106339	A1	2007-05-10	US20070106339
US2009187231	A1	2009-07-23	US20090187231
US2009281593	A9	2009-11-12	US20090281593
US2010042178	A9	2010-02-18	US20100042178
US7747324	B2	2010-06-29	US7747324
US2010228318	A1	2010-09-09	US20100228318
US2010241188	A1	2010-09-23	US20100241188
US2011046432	A1	2011-02-24	US20110046432
US2011125213	A1	2011-05-26	US20110125213
US2011125203	A1	2011-05-26	US20110125203
CA2808606	A1	2012-02-23	CA2808606
WO2012024169	A2	2012-02-23	WO201224169
AU2011292304	A1	2013-03-07	AU2011292304
EP2605827	A2	2013-06-26	EP2605827
WO2012024169	A3	2013-12-05	WO201224169
CN103561815	A	2014-02-05	CN103561815
US8812112	B2	2014-08-19	US8812112
US8840537	B2	2014-09-23	US8840537
US2014336721	A1	2014-11-13	US20140336721
US2014343565	A1	2014-11-20	US20140343565
IN2093/CHENP/2013	A	2015-03-06	IN2013CN02093



US9037247	B2	2015-05-19	US9037247
US9037246	B2	2015-05-19	US9037246
EP2605827	A4	2015-08-05	EP2605827
US9327118	B2	2016-05-03	US9327118
CN103561815	B	2016-05-18	CN103561815B
US2016243375	A1	2016-08-25	US20160243375
US9555260	B2	2017-01-31	US9555260
AU2017201793	A1	2017-04-06	AU2017201793
US2017136254	A1	2017-05-18	US20170136254
US9821164	B2	2017-11-21	US9821164



Abstract

(EP2605827)

Devices, systems and instructing methods are disclosed for treating bronchial constriction related to asthma, anaphylaxis or chronic obstructive pulmonary disease. The instructing method for treatment comprises transmitting impulses of energy non-invasively to selected nerve fibers that are responsible for smooth muscle dilation. The transmitted energy impulses, comprising magnetic and/or electrical, mechanical and/or acoustic, and optical and/or thermal energy, stimulate the selected nerve fibers.

Inventors

SIMON BRUCE
ERRICO JOSEPH
RAFFLE JOHN
MENDEZ STEVEN

Latest standardized assignees - inventors removed

ELECTROCORE

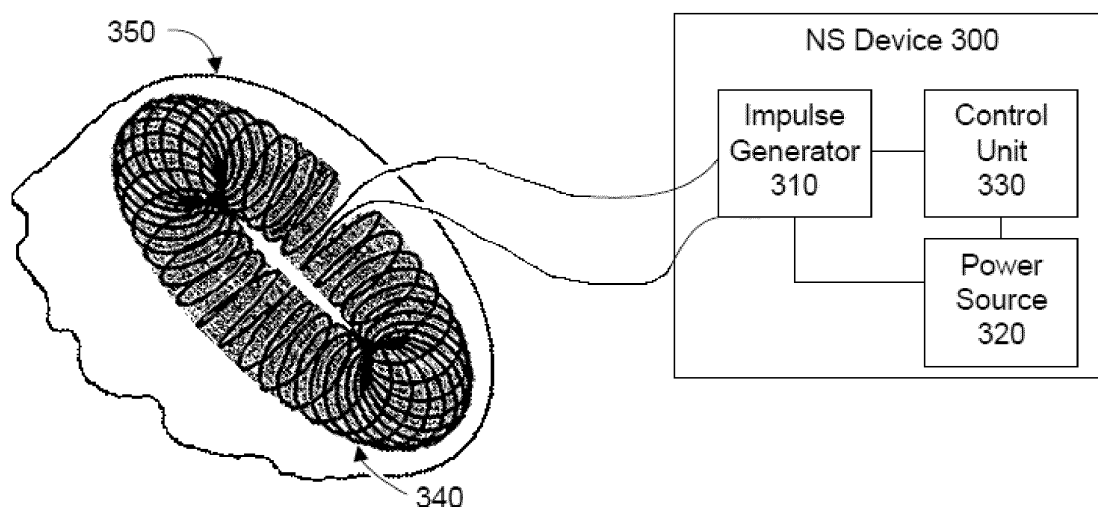
Family 21/25 - FAMPAT - ©Questel

Title

(US9119953)

Non-invasive treatment of a medical condition by vagus nerve stimulation

Images



Publication data including kind & date

US2011319958	A1	2011-12-29	US20110319958
US9119953	B2	2015-09-01	US9119953



Abstract

(US9119953)

Devices, systems and instructing methods for treating medical conditions in patients include a handheld non-invasive nerve stimulation device. The device includes a container filled with electrically conductive fluid and one or more energy transmitters surrounded by the conductive fluid. The container comprises a contact surface configured for contacting the outer skin surface of a neck of a patient for delivering electrical impulses from the energy transmitters through the conductive fluid and the patient's neck to the vagus nerve. The electrical impulses are sufficient to treat the medical condition of the patient.

Inventors

SIMON BRUCE J
ERRICO JOSEPH P
RAFFLE JOHN T
MENDEZ STEVEN

Latest standardized assignees - inventors removed

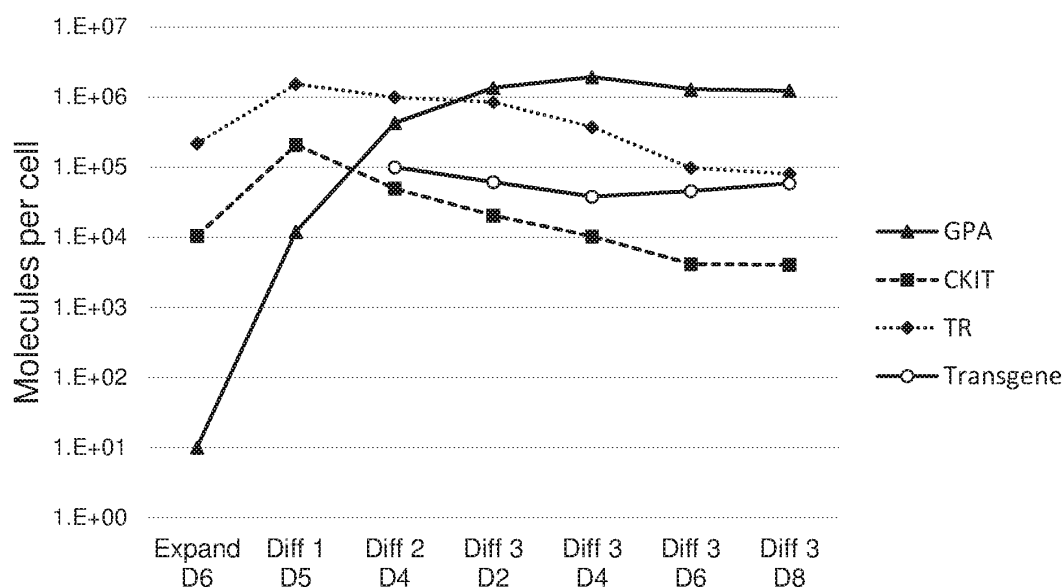
ELECTROCORE

Family 22/25 - FAMPAT - ©Questel

Title

(WO2016183482)

Membrane-receiver complex therapeutics

Images**Publication data including kind & date**

WO2016183482	A1	2016-11-17	WO2016183482
US2018135012	A1	2018-05-17	US20180135012

**Abstract**

(WO2016183482)

Compositions comprising synthetic membrane-receiver complexes, methods of generating synthetic membrane-receiver complexes, and methods of treating or preventing diseases, disorders or conditions therewith.

Inventors

MATA-FINK JORDI
KAHVEHJIAN AVAK

Latest standardized assignees - inventors removed

RUBIUS THERAPEUTICS

Family 23/25 - FAMPAT - ©Questel

Title

(US9644180)

Synthetic membrane-receiver complexes

Images

Fig. 1A

SSC
FSC

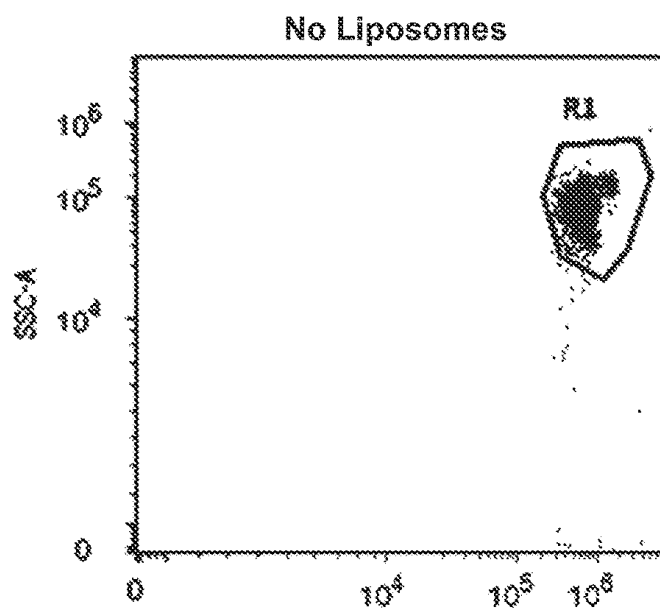


Fig. 1B

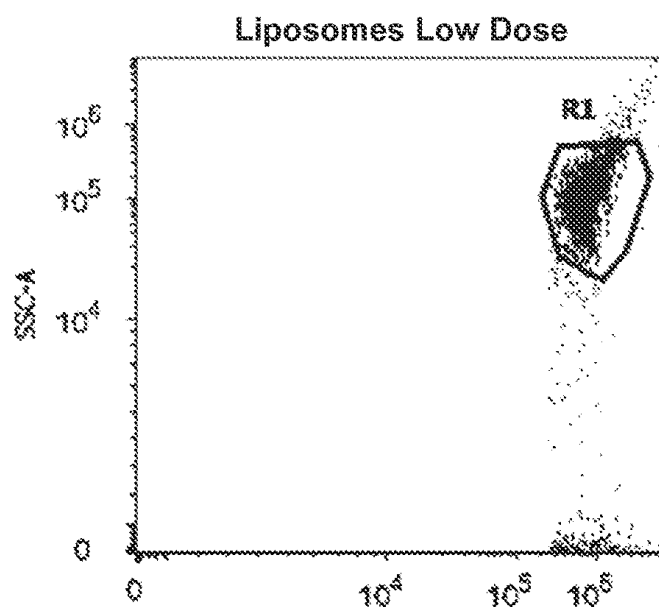
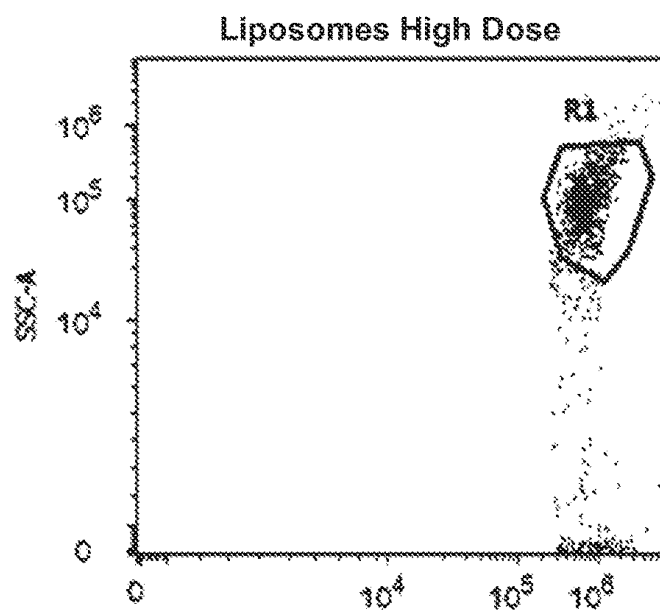


Fig. 1C



Publication data including kind & date

US2015182588	A1	2015-07-02	US20150182588
US2015306212	A1	2015-10-29	US20150306212
US2016257932	A1	2016-09-08	US20160257932
US9644180	B2	2017-05-09	US9644180

**Abstract**

(US9644180)

Compositions comprising synthetic membrane-receiver complexes, methods of generating synthetic membrane-receiver complexes, and methods of treating or preventing diseases, disorders or conditions therewith.

Inventors

KAHVEJIAN AVAK

MATA-FINK JORDI

ROUND JOHN

BERRY DAVID ARTHUR

AFEYAN NOUBAR B

Latest standardized assignees - inventors removed

FLAGSHIP VENTURES MANAGEMENT

RUBIUS THERAPEUTICS

Family 24/25 - FAMPAT - ©Questel

Title

(EP3071515)

Synthetic membrane-receiver complexes

Images

Fig. 1A

SSC
FSC

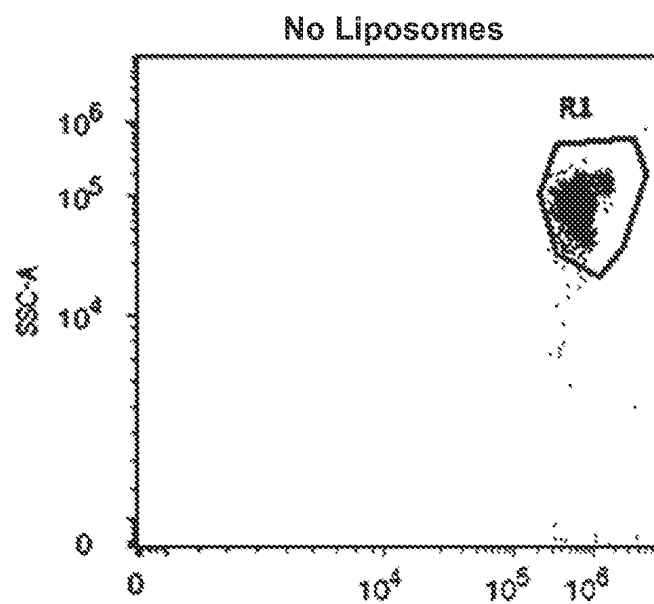


Fig. 1B

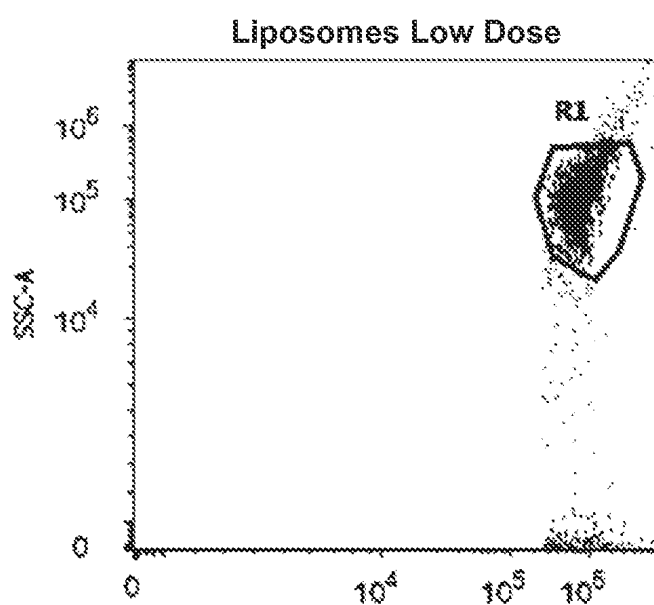
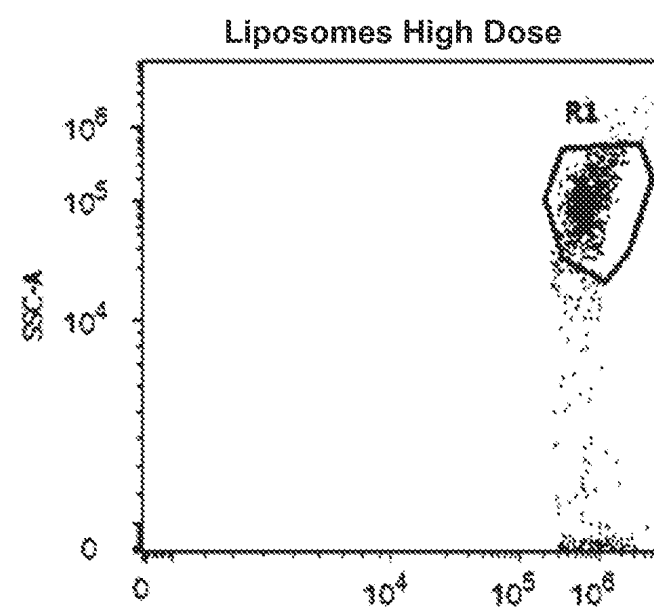


Fig. 1C



Publication data including kind & date

CA2930665	A1	2015-05-21	CA2930665
WO2015073587	A2	2015-05-21	WO201573587
WO2015073587	A3	2015-08-06	WO201573587
BR112016011195	A1	2016-05-31	BR112016011195
AU2014348683	A1	2016-06-09	AU2014348683
IL245671	A	2016-06-30	IL-245671
EP3071515	A2	2016-09-28	EP3071515
JP2017504568	A	2017-02-09	JP2017504568
BR112016011195	A2	2017-09-19	BR112016011195
US2017369843	A1	2017-12-28	US20170369843
US2018030411	A1	2018-02-01	US20180030411
US2018119101	A1	2018-05-03	US20180119101

**Abstract**

(EP3071515)

Compositions comprising synthetic membrane -receiver complexes, methods of generating synthetic membrane-receiver complexes, and methods of treating or preventing diseases, disorders or conditions therewith.

Inventors

KAHVEJIAN AVAK

MATA-FINK JORDI

ROUND JOHN

BERRY DAVID A

AFEYAN NOUBAR B

Latest standardized assignees - inventors removed

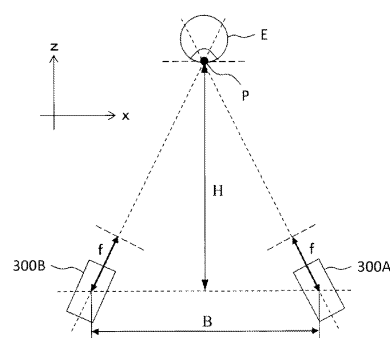
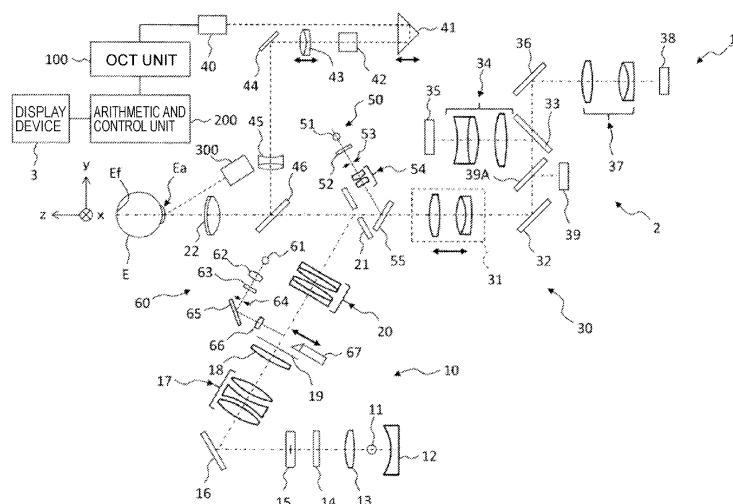
RUBIUS THERAPEUTICS

Family 25/25 - FAMPAT - ©Questel

Title

(EP2932888)

Ophthalmologic device

Images**Publication data including kind & date**

WO2014091992	A1	2014-06-19	WO201491992
JP2014113385	A	2014-06-26	JP2014113385



EP2932888	A1	2015-10-21	EP2932888				
US2015313468	A1	2015-11-05	US20150313468				
EP2932888	A4	2017-01-25	EP2932888				
JP6112846	B2	2017-04-12	JP6112846				
US9706920	B2	2017-07-18	US9706920				

Abstract

(EP2932888)

An ophthalmologic apparatus capable of performing suitable examination according to the state of the eye is provided. An ophthalmologic apparatus of an embodiment includes an examination optical system, a drive part, two or more imaging parts, an analyzer, and a controller. The examination optical system is used to examine an eye. The drive part moves the examination optical system. The two or more imaging parts substantially simultaneously photograph the anterior segment of the eye from different directions. The analyzer analyzes photographic images captured by the two or more imaging parts to obtain the three-dimensional position of the eye, and displacement information indicating the displacement direction and displacement amount of the eye due to eye movement. The controller performs a first alignment process of controlling the drive part based on the three-dimensional position to move the examination optical system and a second alignment process of controlling the drive part based on the displacement information to move the examination optical system.

Inventors

OKADA HIROAKI

KOGAWA TAISAKU

FUJIMURA TAKASHI

FUJII KOHTA

Latest standardized assignees - inventors removed

TOPCON