ПАТЕНТЫ/PATENTS

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CA2967413 (A1) — 2016-06-02

STABILIZED OMEGA-3 OPHTHALMIC COMPOSITIONS
ALLERGAN INC [US] +

An ophthalmic composition comprising one or more omega-3 oils; BHT and/or BHA; one or more hydrogels; one or more tonicity agents; one or more surfactants; and an acrylates/C10-30 alkyl acrylate crosspolymer; and wherein the ophthalmic composition does not include an antimicrobial preservative.

WO2017181835 (A1) — 2017-10-26

METHOD FOR ESTABLISHING CHRONIC OCULAR HYPERTENSION ANIMAL MODEL

A method for establishing a chronic ocular hypertension animal model. The method comprises: creating a glaucoma animal model having an elevated ocular pressure and damaged optic nerves by surgically inserting a material to block off an outflow pathway for an aqueous humor, such that the elevated ocular pressure is maintained and stabilized, and can be obtained and manipulated more easily. The obtained model has advantages such as a stable elevation and small fluctuations of the ocular pressure, the high ocular pressure can be maintained for a long time and the target ocular pressure can be controlled. A chronic ocular hypertension animal model can be made by using the method, and an ocular pressure thereof can be adjusted and controlled according to different degrees of blockage of the Schlemm's canal; the blockage of the Schlemm's canal can be completed by selecting fiber ducts of different specifications and sizes on the basis of different diameters of the Schlemm's canals in different types of animals, thereby generating chronic ocular hypertension animal models for multiple types of animals. The method enables the establishment of clinically compatible model-making animals and model-making methods for research into the mechanism of chronic ocular hypertension glaucoma, and provides a foundation for the mechanism of optic nerve damage in chronic glaucoma.

US2017304225 (A1) — 2017-10-26

PHARMACEUTICAL COMPOSITION FOR USE IN MEDICAL AND VETERINARY OPHTHALMOLOGY

A method of treating an eye pathology, comprising administering to a subject afflicted with such an eye pathology a therapeutically-effective amount of a pharmaceutical composition comprising:
(a) from 1 nm to 25000 nm of a mitochondria-addressed antioxidant comprising:
Изображение доступно на странице «Исходный документ»
(b) from 0.01% to 0.2% of a lipophilic, cationic concentration stabilizer that stabilizes a concentration of the mitochondria-addressed antioxidant by preventing reversible and irreversible absorption of the antioxidant to walls of a vial containing the pharmaceutical composition, the stabilizer comprising a benzalkonium salt, berberine, palmatine, tetraphenylphosphonium, tetrabutyl ammonium, or combinations thereof; and
(c) from 0.001% to 1% of a prolongator comprising a disaccharide, a trisaccharide, a polysaccharide, methylcellulose, hydroxyethylcellulose, hydroxypropyl-methylcellulose, carboxymethylcellulose, sodium chondroitin sulfate, sodium hyaluronate, carboxyvinyl polymer, polyvinyl ethanol, polyvinylpyrrolidone, macrogol, or combinations thereof.

US2017231818 (A1) — 2017-08-17

DEVICE FOR CUTTING TISSUE

A device for cutting and aspirating tissue from the human or animal body, preferably for use in ophthalmology, particularly for vitrectomy, for retinal peeling, etc., with an outer tube (1), and with an inner tube (11), which can move to and fro concentrically in the outer tube (1) with slight play, wherein the outer tube (1) is closed at the free end (2), and has, near the free end (2), a first and a second lateral opening (3, 4) with in each case at least one inner cutting edge (7, 8), wherein the inner tube (11) is open at the free end and there has an outer cutting edge (12), wherein the inner tube (11) has, near the free end, at least one lateral opening (13) with at least one further outer cutting edge (14), and wherein the cutting edges (7, 8, 12, 14) of the outer tube (1) and of the inner tube (11) cooperate in a cutting action during the movement of the inner tube (11), characterized in that the first and second opening (3, 4) are each designed as an asymmetrical circle, as an asymmetrical circle, a an asymmetrical ellipse or as an asymmetrical oval, and in that a thin web (6) is formed by the asymmetrical area (5) of the first and second opening (3, 4) on the outer tube (1).

ПАТЕНТЫ/PATENTS

AU2016243903 (A1) — 2017-09-28

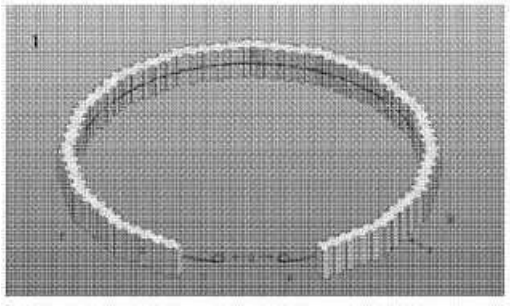
DEVICES AND METHODS FOR STABILIZATION OF AN OCULAR LENS CAPSULE AND PREVENTING ARTIFICIAL INTRAOCULAR LENS IMPLANT ROTATION POST CATARACT SURGERY

he present invention relates generally to the fields of ophthalmology and cataract surgery. More specifically, the present invention relates to a device implanted in the eye during cataract surgery and improves the optical functionality of the eye. This invention is in the field of medical devices and relates to capsular tension rings that are designed to be implanted in the capsular sac after removal of the crystalline lens affected by a cataract in association with an intraocular lens designed to replace the crystalline lens. The invention applies to stabilizing the artificial lens from movement in the x-y-z planes and prevents rotation.

US9700460 (B1) — 2017-07-11

APPARATUS FOR ROUND POSTERIOR CAPSULOTOMY FOR THE OPACIFICATION OF A POSTERIOR CAPSULE AND LENS

FIGURE 1



he present invention is in the field of ophthalmology and relates to methods of performing a generally round posterior capsulotomy, preferably in a continuous manner, without disturbing an intraocular lens, and without inducing any pressure changes inside the eye. The posterior capsulotomy comprises performing a generally round circular posterior capsulotomy using a suitable ophthalmic laser device.

WO2017117689 (A1) — 2017-07-13

ARRANGEMENT OF INTRASTROMAL SEGMENTS

The invention relates to an arrangement of intrastromal links for use in the field of ophthalmology, the arrangement comprising a plurality of interconnected links. Each link has a specific geometric configuration, wherein the geometric configuration varies depending on the ophthalmological condition to be treated, the interconnection between the links being pivotable and flexible. The segments are dynamic, can be adapted to a tunnel made during a surgical procedure, and can be injected by means of a parallel limbal incision made at a distance from the tunnels in which the segments are housed, which can only be performed using femtosecond laser technology, thereby preventing the extrusion of the segments through the wound. The segments or links and the joining thereof enable links having different inclination profiles, designs, and even bases, to be inserted in between one another.

US2017202549 (A1) — 2017-07-20

IRIS RETRACTION METHOD

An iris retractor made of two slender elements operatively coupled via a joining mechanism, wherein each slender element has an iris grabbing hook located at its distal end; and a handle located at the proximal end of the slender element, wherein the joining mechanism is configured to endow the iris retractor with at least two configurations: a retracted configuration and an expanded configuration, wherein the length of each slender element is between 4 mm to 14 mm.