

Search strategy

Query

(CORNEAL AND KNIFE AND BLADE AND ANGLE AND SIDE AND (INCLINED OR SLANTING) AND SURFACE)/TI/AB/CLMS/DESC/ODES AND (A61F-009/007)/IPC/CPC

5 Documents

Publication numbers	Title	Current assignees
EP3498202 A1	Knife for use in medical treatment	MANI
US20090036819 A1	Drug eluting ocular implant with anchor and methods thereof	GLAUKOS
US20020026205 A1	Ophthalmologic knife	MANI
RU2523149 C1	Ophthalmic microsurgical knife	S FYODOROV EYE MICROSURGERY FEDERAL STATE INSTITUTION
EP2702954 A1	Medical knife	KAI R & D CENTER

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Title

(EP3498202)

Knife for use in medical treatment

Publication numbers

EP3498202

MX2019002270

VN65035

IN201927003034

EP3498202

BR112019004245

KR10-2019-0046838

AU2017321548

CN109661206

CO2019002642

BR112019004245

AU2017321548

IL264600

JP6457985

JP2018033492

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2020-01-22

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2019-05-02

2019-04-19

2019-03-29

2019-03-12

2019-03-07

2019-02-28

2019-01-23

2018-03-08

2018-03-08

Abstract

(EP3498202)

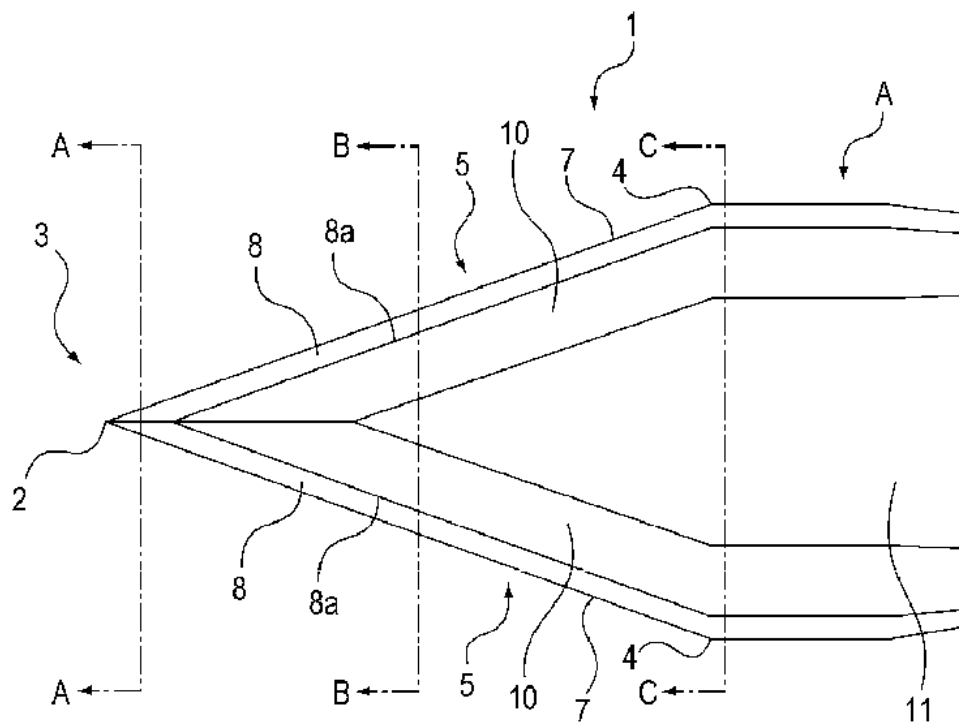
The purpose of the present invention is to provide a **knife** for use in medical treatment, with which it is possible to form an incision which is strongly self-closing. Provided is a **knife** (A), in which a planar projection shape of a **blade** part (1) is formed in an approximately rhomboid shape, which comprises: a leading end part (3) which includes a pointed end (2) which is formed in a leading end portion and the vicinity of the pointed end (2); a maximum width part (4) which is the widest part; and lateral **surface** parts (5) which are formed between the leading end part (3) and the maximum width part (4). With a virtual plane (7a) as a boundary, said virtual plane (7a) including edges (7) which are formed along the outer circumference of the **blade** part (1), an obverse-**side** bevel (8) which configures the edges (7) is formed on the obverse **side** and a reverse-**side** bevel (9) which configures the edges (7) is formed on the reverse **side**. A ratio in the leading end part (3), of an **angle** β which is formed by the virtual plane (7a) and a rear-**side** bevel (9a) to an **angle** α which is formed by the

virtual plane (7a) and the obverse-side bevel (8), is greater than a ratio in the lateral surface parts (5), of an angle θ which is formed by the virtual plane (7a) and a rear-side bevel to the angle α which is formed with the obverse-side bevel (8).

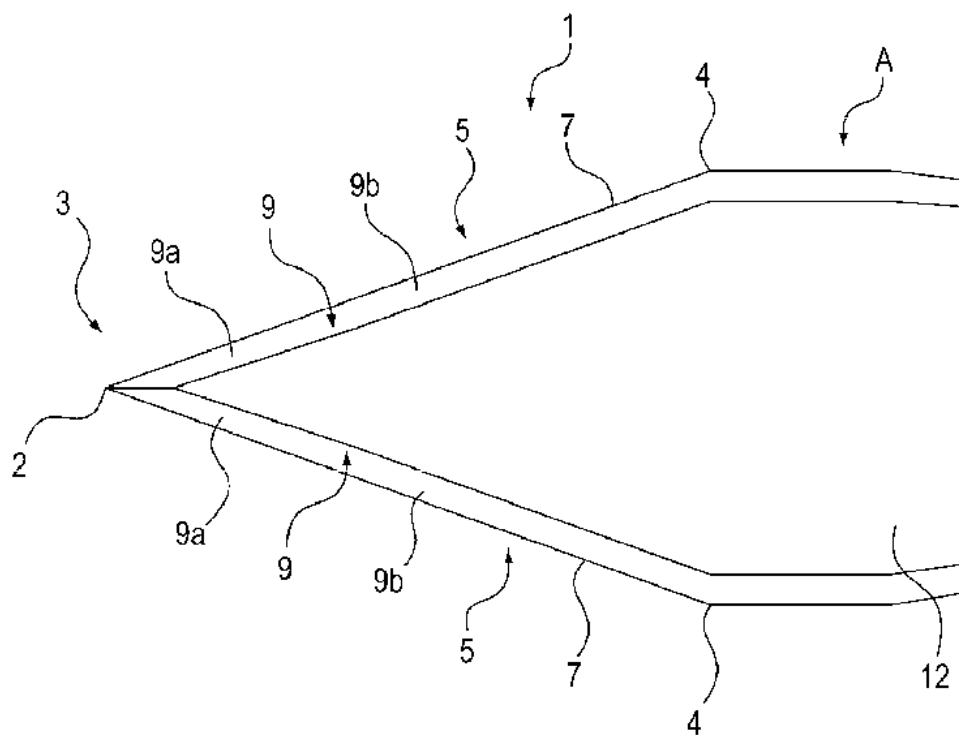
Images

FIG. 1

(a)



(b)



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Title

(US8118768)

Drug eluting ocular implant with anchor and methods thereof

Publication numbers

US10406029

US20160100983

US9155654

US20120253258

US8118768

US20090036819

Publication dates

2019-09-10

2016-04-14

2015-10-13

2012-10-04

2012-02-21

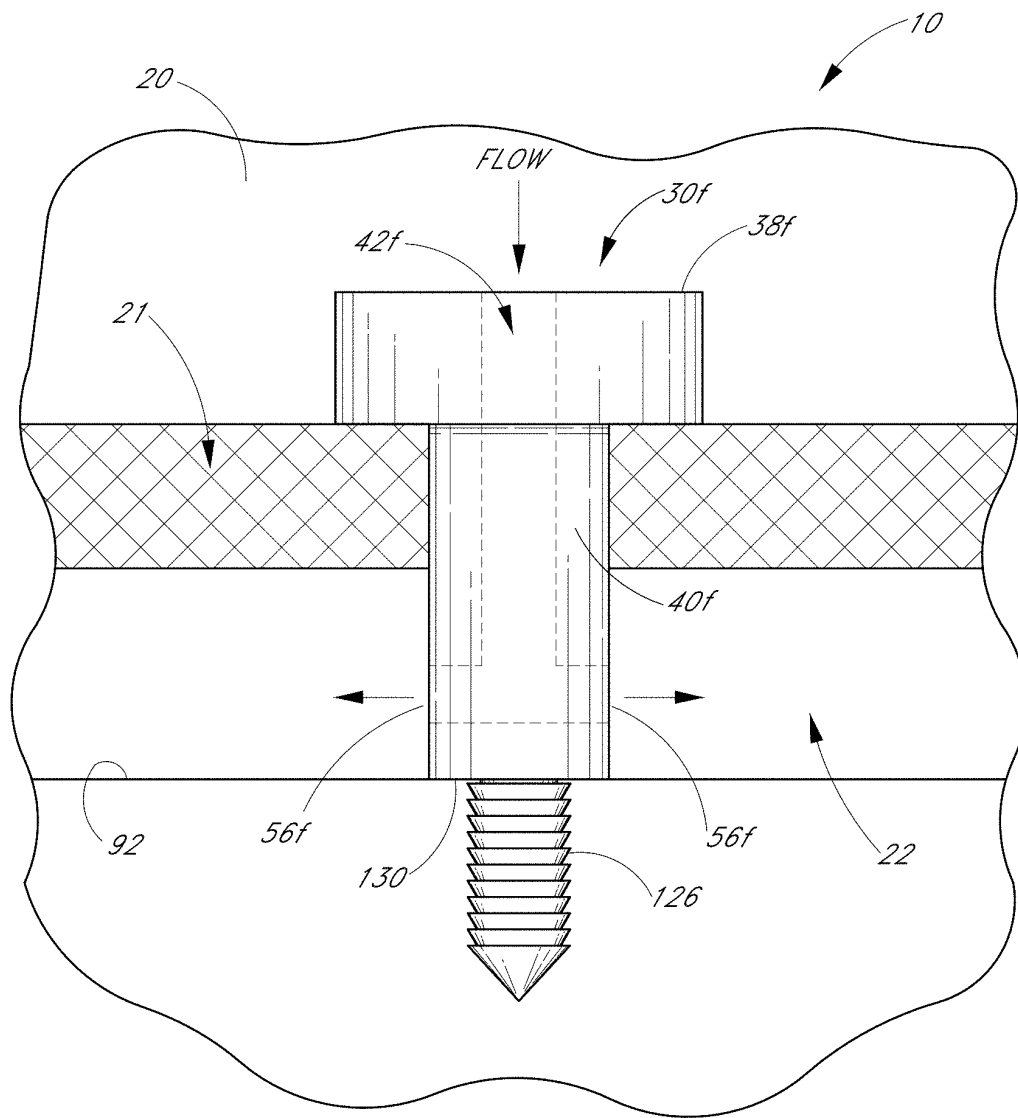
2009-02-05

Abstract

(US20090036819)

Ocular implants, delivery devices and methods for treating ocular disorders are disclosed. One method involves inserting an implant on one **side** of an eye. The implant has an anchor on a distal end portion and an outlet opening that is disposed proximal of the anchor. The implant is advanced across the eye to the other **side** of the eye. The anchor is inserted into eye tissue on the other **side** of the eye. A therapeutic agent is eluted using the implant.

Images



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Title

(US6908471)

Ophthalmologic **knife**

Publication numbers

JP4269300

US6908471

JP2002065720

US20020026205

Publication dates

2009-05-27

2005-06-21

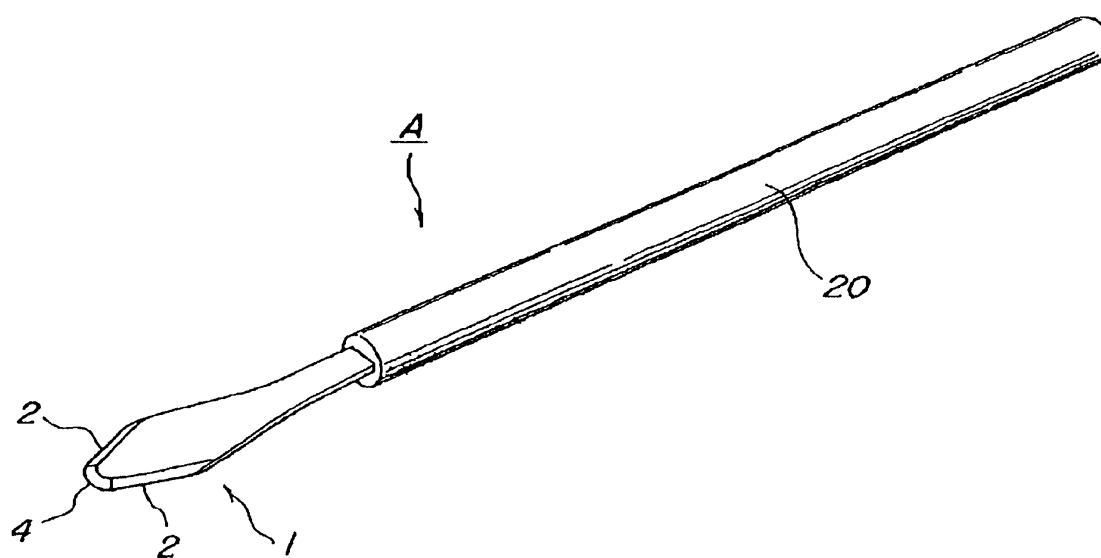
2002-03-05

2002-02-28

Abstract

(US20020026205)

The present invention relates to an ophthalmologic **knife** for being guided into an incision formed at an eyeball and for widening the width of the incision, the ophthalmologic **knife** comprising a handle and a **blade** portion having a flat shape formed at a end portion of the handle. The **blade** portion is formed with cutting edges arranged on both sides in a narrowing manner toward a front tip of the **blade** portion, and the front tip of the **blade** portion is formed with a guide portion arranged between the two cutting edges for guiding the **blade** portion into the incision formed at the eyeball.

Images

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Title

(RU2523149)

Ophthalmic microsurgical **knife**

Publication numbers

RU2523149

Publication dates

2014-07-20

Abstract

(RU2523149)

FIELD: medicine.

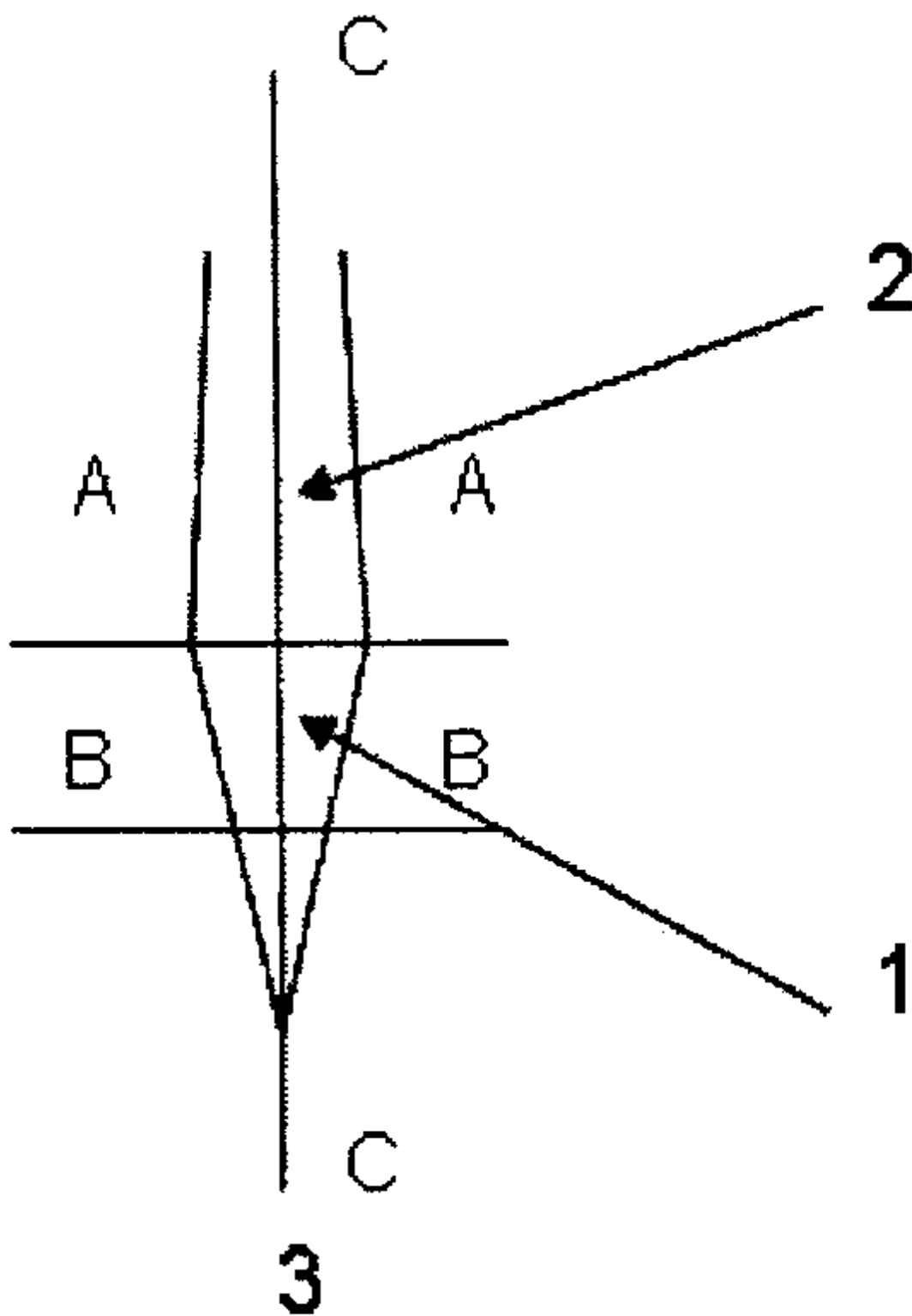
SUBSTANCE: ophthalmic microsurgical **knife** comprises a body and a working part. The working part is presented in the form of a dish-shaped segment of a rectangular **surface** an end face of which is opposite to a handle and is pointed. A segment width of the rectangular **surface** lies in the range of 1.6 to 3.6 mm.

EFFECT: reduced injures of the eye tissues.

3 dwg

Images

Вид сверху



Фиг.1

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Title

(EP2702954)

Medical **knife****Publication numbers**

EP2702954

US9808279

JP5795188

EP2702954

EP2702954

US20140031847

JP2012231842

WO2012/147934

Publication dates

2018-07-25

2017-11-07

2015-10-14

2014-09-17

2014-03-05

2014-01-30

2012-11-29

2012-11-01

Abstract

(EP2702954)

In the case of a transconjunctival single-plane sclerocorneal incision, when a surgeon pushes a **blade** portion forward from near a limbus toward an anterior chamber via conjunctiva, sclera, and cornea along a substantially S-shaped movement path, a rotation moment easily occurs in a direction such that the proximal end of the **blade** portion is pushed up and also the front end of the **blade** portion is pushed down. For this reason, it is easy for the surgeon to push the **blade** portion forward along a movement path in a perforation direction into the anterior chamber via a movement path in an advancing direction from the sclera to cornea. A substantially S-shaped incisional wound with good self-closing property can be easily formed. When the **blade** portion advances to the anterior chamber, the **blade** portion linearly advances along a movement path in a direction in which the **blade** portion is not translated downwardly, and the inner incision line of the incision wound is not likely to have the shape of an inverted "V".

Images