

PATENT PICKER® LITE

GENERATED BY

IP-LAWYER-TOOLS.COM

BY MARTIN SCHWEIGER

1. Tongue depressor [\(click title to open full text\)](#)

Inventor: HOLLAND JENNIFER LOUISE[AU]

Applicant: HOLLAND JENNIFER LOUISE[AU], THROAT SCOPE PTY LTD [AU]

IPC: A61B13/00, A61B1/00, A61B1/06, A61B1/07, A61B1/24, A61B1/32

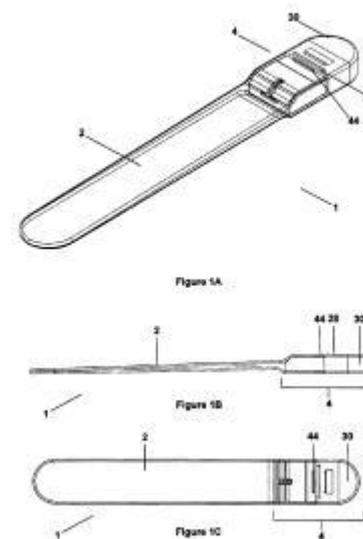
Publication number: US9386913B2

Publication date: 2016-07-12

A tongue depressor for illuminating an oral cavity, the tongue depressor including a handle which includes a light source and a switch for connecting a power supply to the light source. The tongue depressor also includes a blade for depressing the tongue, the blade being removably coupled to the handle, and wherein coupling the blade to the handle actuates the switch so that light emitted from the light source is transmitted by the blade into the oral cavity.

Image of [US2013158358A1](#)

Patent Application Publication Jan. 30, 2013 Sheet 1 of 10 US 2013/0158358 A1



2. ILLUMINATION DEVICES FOR INDUCING BIOLOGICAL EFFECTS

(click title to open full text)

Inventor: EMERSON DAVID T[US], BERGMANN MICHAEL JOHN[US], WOMBLE THOMAS MATTHEW[US], VAN DE VEN ANTONY PAUL[TH], STASKO NATHAN[US], HUNTER F NEAL[US], COCKRELL ADAM[US], MCDONALD REBECCA[US]

Applicant: KNOW BIO LLC[US]

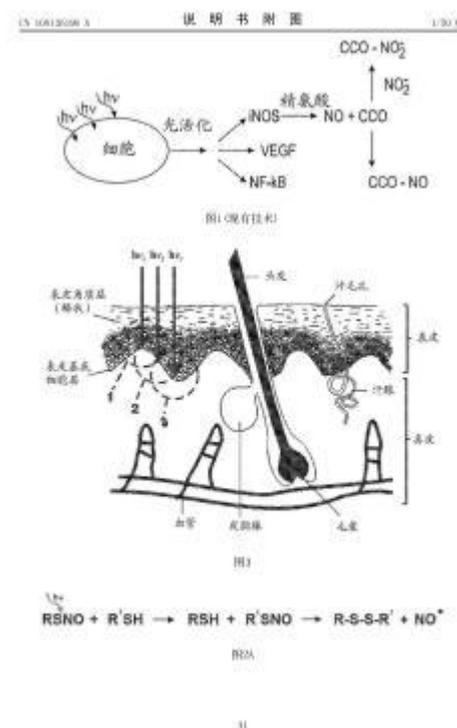
IPC: A61N5/06

Publication number: US2021290974A1

Publication date: 2021-09-23

Illumination devices for impinging light on tissue, for example within a body cavity of a patient, to induce various biological effects are disclosed. Biological effects may include at least one of inactivating and/or inhibiting growth of one or more pathogens, upregulating a local immune response, increasing endogenous stores of nitric oxide, releasing nitric oxide from endogenous stores, and inducing an anti-inflammatory effect. Wavelengths of light are selected based on intended biological effects for one or more of targeted tissue types and targeted pathogens. Light treatments may provide multiple pathogenic biological effects, either with light of a single wavelength or with light having multiple wavelengths. Devices for light treatments are disclosed that provide light doses for inducing biological effects on various targeted pathogens and tissues with increased efficacy and reduced cytotoxicity. Particular illumination devices are disclosed that provide safe and effective treatments for upper respiratory tract infections, including coronaviridae and orthomyxoviridae.

Image of CN108136196A



3. SYSTEMS AND METHODS FOR PHOTOTHERAPEUTIC MODULATION OF NITRIC OXIDE

(click title to open full text)

Inventor: STASKO NATHAN[US], MEDENDORP JR NICHOLAS WILLIAM[US],
NEGLEY GERALD H[US], REIGHARD KATELYN P[US]

Applicant: PHOTONMD INC[US]

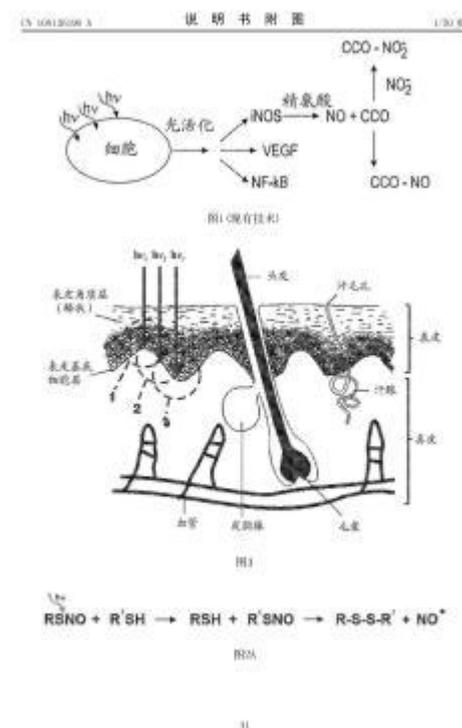
IPC: A61N5/06, H01L27/15

Publication number: US2020222714A1

Publication date: 2020-07-16

Systems and methods for phototherapeutic modulation of nitric oxide in mammalian tissue include use of a first wavelength and first radiant flux of light to stimulate enzymatic generation of nitric oxide, and use of a second wavelength and second radiant flux of light to stimulate release of nitric oxide from endogenous stores of nitric oxide. Pulsed light and/or partially non-overlapping light impingement windows may be used. Non-coherent light impinged on tissue may include a peak wavelength in a range of from 410 nm to 440 nm in the absence of light emissions having a peak wavelength of from 600 nm to 900 nm.

Image of CN108136196A



4. (no title) (click title to open full text)

Inventor: , , , , , ,

Applicant: - ""

IPC: A61B1/267, A61B1/002, A61B1/06, A61B1/24

Publication number: RU189414U1

Publication date: 2019-05-22

This patent has no abstract specified. Click on the title to open the original PDF.

5. AN OTOSCOPE

[\(click title to open full text\)](#)

Inventor: HOLLAND JENNIFER LOUISE[AU]

Applicant: THROAT SCOPE PTY LTD[AU]

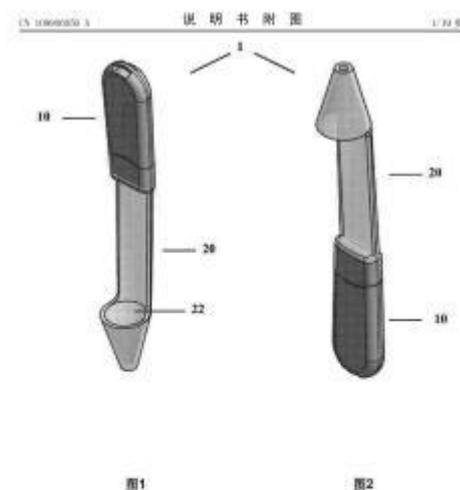
IPC: A61B1/00, A61B1/227

Publication number: US2019200850A1

Publication date: 2019-07-04

The present invention relates to an otoscope for illuminating the outer ear and to methods of using the otoscope. In one embodiment, the otoscope includes a handle including a light source; and a speculum extending relative to the handle for directing light from the light source to illuminate the outer ear; wherein the speculum includes a lens for magnifying the outer ear, or a lens engager for releaseably engaging a lens.

Image of [CN109906050A](#)



6. An otoscope (click title to open full text)

Inventor: JENNIFER LOUISE HOLLAND[AU]

Applicant: THROAT SCOPE PTY LTD[AU]

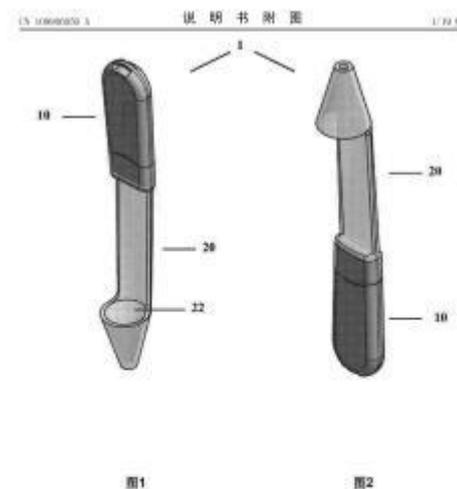
IPC: A61B1/06, A61B1/227

Publication number: GB2569079A

Publication date: 2019-06-05

The present invention relates to an otoscope for illuminating the outer ear and to methods of using the otoscope. In one embodiment, the otoscope includes a handle including a light source; and a speculum extending relative to the handle for directing light from the light source to illuminate the outer ear; wherein the speculum includes a lens for magnifying the outer ear, or a lens engager for releaseably engaging a lens.

Image of CN109906050A



7. Tongue depressor [\(click title to open full text\)](#)

Inventor: WALLIS HUW UMBERTO[AU], HOLLAND JENNIFER LOUISE[AU], NORCOTT ALISON RUTH[AU]

Applicant: THROAT SCOPE PTY LTD[AU]

IPC: -

Publication number: USD846120S

Publication date: 2019-04-16

This patent has no abstract specified. Click on the title to open the original PDF.

8. AN OTOSCOPE (click title to open full text)

Inventor: HOLLAND JENNIFER LOUISE[AU]

Applicant: THROAT SCOPE PTY LTD[AU]

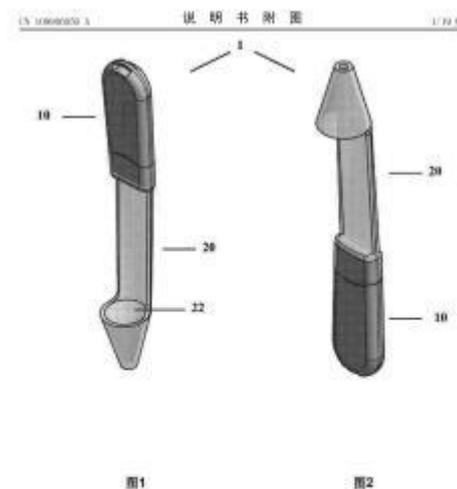
IPC: A61B1/06, A61B1/227

Publication number: EP3512404A1

Publication date: 2019-07-24

Abstract of CN109906050A The present invention relates to an otoscope for illuminating the outer ear and to methods of using the otoscope. In one embodiment, the otoscope includes a handle including a light source; and a speculum extending relative to the handle for directing light from the light source to illuminate the outer ear; wherein the speculum includes a lens for magnifying the outer ear, or a lens engager for releaseably engaging a lens.

Image of CN109906050A



9. AN OTOSCOPE (click title to open full text)

Inventor: HOLLAND JENNIFER LOUISE[AU]

Applicant: THROAT SCOPE PTY LTD[AU]

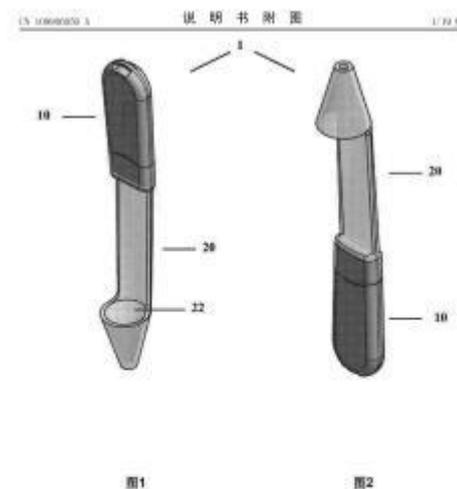
IPC: A61B1/06, A61B1/227

Publication number: WO2018049480A1

Publication date: 2018-03-22

The present invention relates to an otoscope for illuminating the outer ear and to methods of using the otoscope. In one embodiment, the otoscope includes a handle including a light source; and a speculum extending relative to the handle for directing light from the light source to illuminate the outer ear; wherein the speculum includes a lens for magnifying the outer ear, or a lens engager for releaseably engaging a lens.

Image of CN109906050A



10. ORIFICE INSPECTION SYSTEM [\(click title to open full text\)](#)

Inventor: HOLLAND JENNIFER LOUISE[AU]

Applicant: THROAT SCOPE PTY LTD[AU]

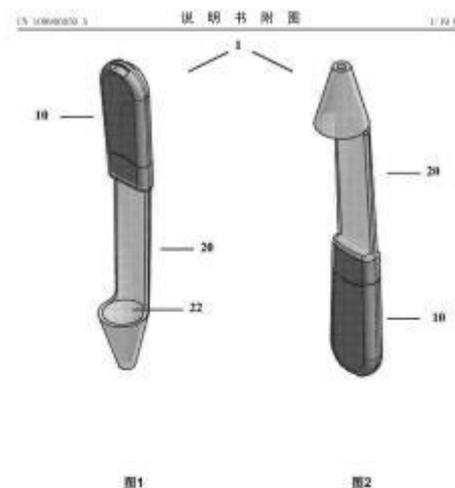
IPC: A61B1/04, A61B1/06, A61B1/227, A61B1/233, A61B1/24

Publication number: WO2018049479A1

Publication date: 2018-03-22

The present invention relates to a system for inspecting a patient's orifice (especially the ear, nose or throat), to components of the system, and to methods of inspecting a patient's orifice. In one embodiment, the orifice inspection system includes: an orifice inspection device for illuminating a patient's orifice; and an image capture device for capturing a photograph of the patient's orifice as illuminated by the orifice inspection device; wherein the orifice inspection device is mountable relative to the image capture device, or wherein the image capture device is mounted on the orifice inspection device.

Image of CN109906050A



11. Tongue depressor [\(click title to open full text\)](#)

Inventor: XUE HUIQIN, WANG SHUHUA, FU ZHONGYE, FENG NA, QIN HONGPING

Applicant: JIANGSU SUYUN MED APPLIANCES

IPC: A61B1/24

Publication number: CN104706312A

Publication date: 2015-06-17

The invention relates to a tongue depressor. The tongue depressor comprises a tongue depressor body, a handheld device is arranged on the tail portion of the tongue depressor body, the handheld device is provided with a handheld body, and a clamping groove which is matched with the tongue depressor body is formed in the lower portion of the front end of the handheld body. An LED lamp bead is arranged on the handheld body above the clamping groove, a lamp bead switch is arranged on one side of the handheld body, and a power source is arranged in the handheld body. The power source, the lamp bead switch and the LED lamp bead are connected through a power line. According to the tongue depressor, the handheld device is arranged on the tail portion of the tongue depressor, the LED lamp bead is arranged on the handheld device, the tongue depressor can be used for illuminating directly, and thus the tongue depressor can be operated only by one hand when being used by a doctor; in addition, the tongue depressor is inserted in the handheld device, only the tongue depressor needs to be replaced when being used by different patients, hence, the using cost is lowered, and resources are saved.

12. Illuminated tongue depressor [\(click title to open full text\)](#)

Inventor: HEINE HELMUT A

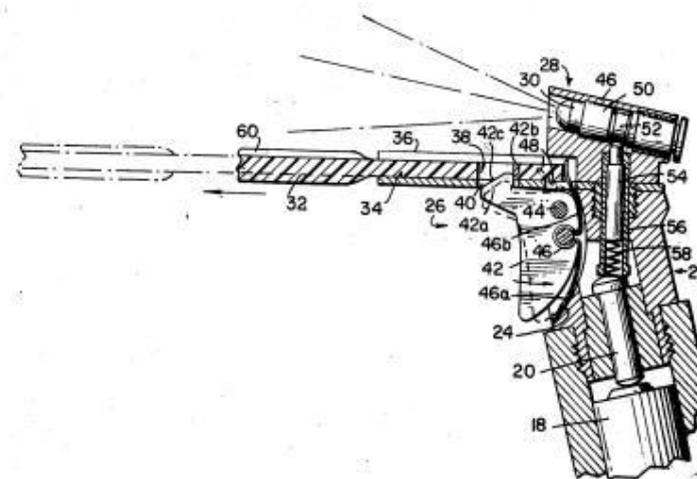
Applicant: PROPPER MFG CO INC

IPC: A61B1/24

Publication number: US3916881A

Publication date: 1975-11-04

This application discloses an illuminated tongue depressor including an illumination handle adapted to receive a disposable tongue depressor blade. The handle assembly includes a bulb mounted over a partially reflective, partially light transmitting depressor blade which reflects stray light into the throat and simultaneously conducts non-reflected light to the distal end of the blade to further illuminate the throat. Applicant's device also includes a blade retention arrangement which maintains the blade securely in the handle and propels the blade forward when it is released for disposal without the need of manual handling.



13. Luminescent tongue depressor [\(click title to open full text\)](#)

Inventor: TAFF BARRY E[US], STOLLER KENNETH P[US]

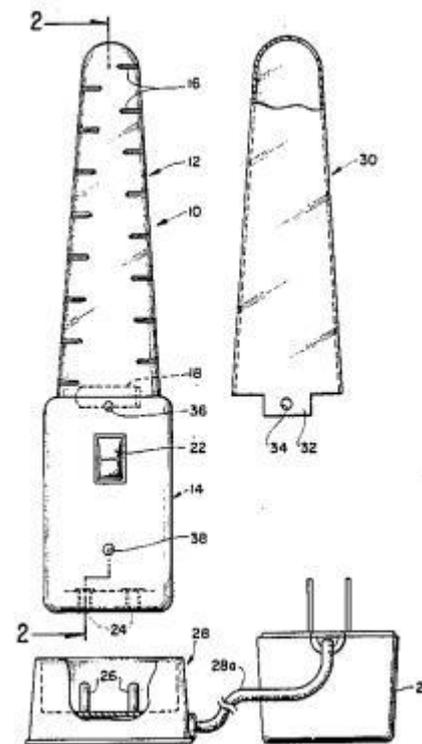
Applicant: TAFF BARRY E, STOLLER KENNETH P

IPC: A61B1/24

Publication number: US4643172A

Publication date: 1987-02-17

A luminescent tongue depressor having a luminiferous depressor element connected to a handle. Means to illuminate the depressor element is preferably a monatomic gas contained within a vacuum tube positioned within the handle element of the device. A concave reflector element directs and concentrates the light towards the depressor element. A rechargeable power source electrically connected to the sealed vacuum tube acts to provide light to the depressor element and its surrounding area. Light dispersing grooves in the depressor element act to disperse the light transmitted from the light source through the depressor element in the mouth. In an alternative embodiment of the device, the depressor element pivots to lie substantially flat against the base of the handle element when not in use.



14. Illuminating tongue depressor [\(click title to open full text\)](#)

Inventor: ROBINSON HERBERT L[US], EPSTEIN ALLEN S[US]

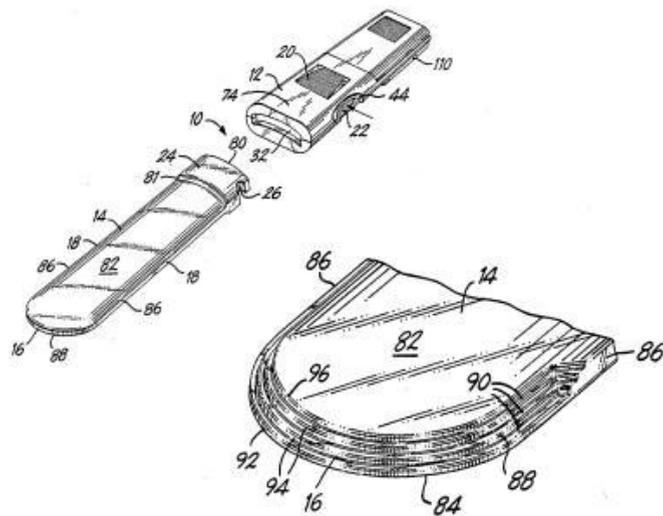
Applicant: MED STRUMENTS INC[US]

IPC: A61B1/24

Publication number: US4807599A

Publication date: 1989-02-28

An illuminating tongue depressor includes a handle having a battery-operated light source and a depressor blade selectively coupled with or uncoupled from the handle for discard and replacement, the blade being constructed of a light-conducting synthetic resin material of relatively thin cross-section and being arched laterally to resist bending along the length thereof, the blade including a light-receiving surface at the proximal end thereof for juxtaposition with the light source and a light-directing configuration at the distal end thereof for directing light conducted from the light source and projected from the distal end to a defined area to be inspected during use of the tongue depressor in the examination of a patient.



15. Tongue depressor with illuminating means [\(click title to open full text\)](#)

Inventor: NAKAGAWA MASAHIKO[JP]

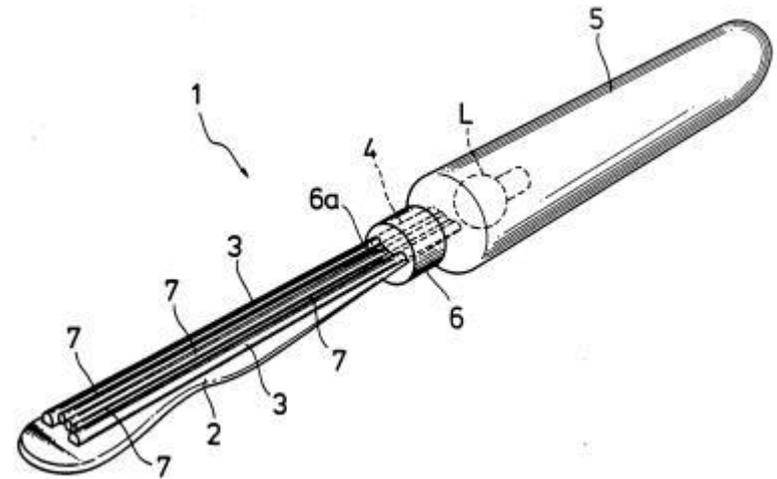
Applicant: NAKAGAWA MASAHIKO[JP]

IPC: A61B1/24

Publication number: US4996976A

Publication date: 1991-03-05

A tongue depressor includes a handle, a blade having one end thereof detachably fixed to the handle, and optical fibers fixed to the blade. The handle has a light source embedded therein for emitting light therefrom toward the optical fibers. The blade is made of a transparent resin. The light is transmitted through the optical fibers to illuminate the other end of the blade.



16. Oral examination illuminating tongue depressor [\(click title to open full text\)](#)

Inventor: ROONEY CHRISTOPHER F[US], HALE WILLIAM J[US]

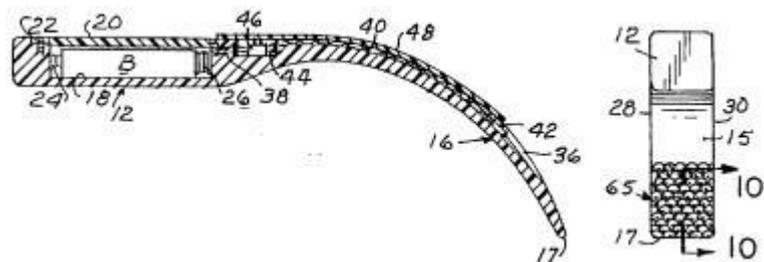
Applicant: ROONEY CHRISTOPHER F, HALE WILLIAM J

IPC: A61B13/00, A61B19/00

Publication number: US5656014A

Publication date: 1997-08-12

An illuminated tongue depressor is formed by an elongated relatively narrow body having a handle end portion containing a battery and a proximal end portion having a curvature conforming to the larynx defining a convex top surface and a concave ventral surface having a friction inducing antislip texture adjacent its proximal end. A lamp imbedded in the top surface is connected with the battery by wiring through a switch. A sanitary disposable sheath envelopes the proximal end portion of the body.



17. (click title to open full text)

Inventor: -

Applicant: -

IPC: -

Publication number: USD422081S

Publication date: -

This patent has no abstract specified. Click on the title to open the original PDF.

18. Fiberoptically illuminated tongue depressor [\(click title to open full text\)](#)

Inventor: DAVIS JAMES M[US]

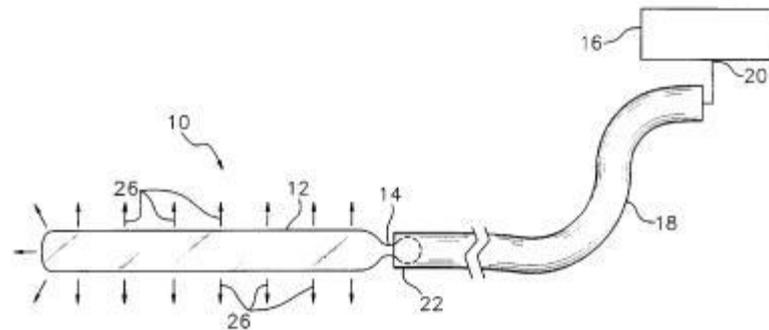
Applicant: DAVIS JAMES M

IPC: A61B1/24

Publication number: US6059723A

Publication date: 2000-05-09

A fiberoptically illuminated medical appliance, and in particular, an illuminated tongue depressor includes a light conducting blade, at least a portion of which is light projecting. The blade includes a light inlet that is operably engaged with the outlet of an optical fiber. The opposite inlet end of the optical fiber is operably interengaged with a fiberoptic illuminator.



19. (click title to open full text)

Inventor: -

Applicant: -

IPC: -

Publication number: CN201091588Y

Publication date: -

This patent has no abstract specified. Click on the title to open the original PDF.

20. Laryngoscope [\(click title to open full text\)](#)

Inventor: DEY PHILIP[AU], KLINEBERG PETER[AU], STOKAN MURRAY[AU]

Applicant: WESTERN SYDNEY AREA HEALTH SER[AU], TECHMIN PTY LTD[AU]

IPC: A61B1/267, A61B1/273

Publication number: EP1433413A2

Publication date: 2004-06-30

An endoscope being a laryngoscope (40) having a handle (42) and a disposable blade (41) characterised in that a light source (46), preferably a light emitting diode (LED), is mounted to the handle of the laryngoscope and the blade has a light transfer conduit (47) adapted to transfer light emitted by the LED from its position on the handle along at least a portion of the blade to one or more light radiating devices (48) on the blade there being a switch to ensure that the LED remains illuminated while the blade is attached to the handle but that the LED is extinguished upon removal of the blade from handle; the switch utilising an induction coil mounted on the handle and a coil or other component capable of carrying an induced electrical current on the blade; the induction coil on the handle and the coil or other component on the blade interacting such that modification in current flowing through the coil on the handle caused by proximity of the induction coil or other component on the blade is detected by circuitry (51) in the handle which modifies the on off state of the LED; none of the components of the switch having exposed contacts or moving parts external to the handle. <IMAGE>

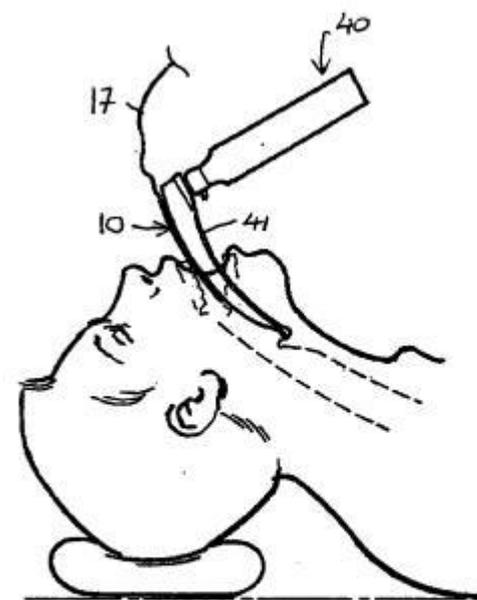


Fig. 3

21. A LIGHT SOURCE APPARATUS [\(click title to open full text\)](#)

Inventor: DUNLOP COLIN[AU]

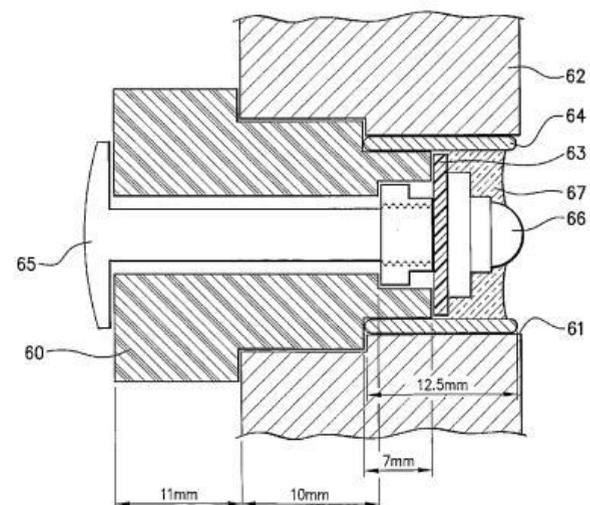
Applicant: DUNLOP COLIN[AU]

IPC: A61B1/06, A61B1/267, A61B17/24

Publication number: WO2007124536A1

Publication date: 2007-11-08

The present invention relates to a light source apparatus for a laryngoscope. The light source apparatus is remotely operated. In an embodiment, it comprises a magnetically operated reed switch. A co-operating magnet in the laryngoscope blade actuates the reed switch when the blade is brought into proximity with the light source apparatus mounted in the laryngoscope handle.



22. Self-illuminating tongue depressor with detachable tongue blade [\(click title to open full text\)](#)

Inventor: LESLIE EDINGER LADISLAV, ISTVAN HALASZ

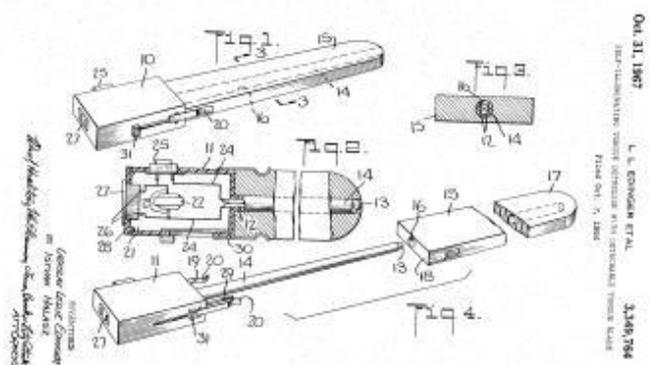
Applicant: -

IPC: A61B1/24

Publication number: US3349764A

Publication date: 1967-10-31

This patent has no abstract specified. Click on the title to open the original PDF.



23. LARYNGOSCOPE (click title to open full text)

Inventor: GOBELS G

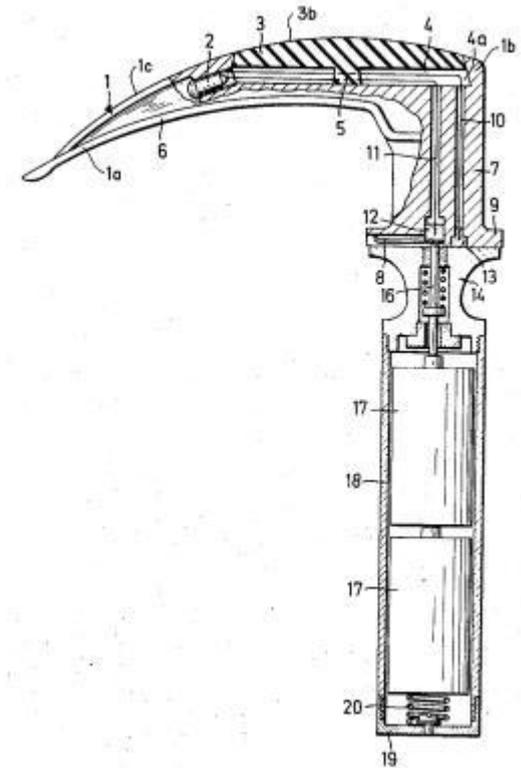
Applicant: GOBELS G

IPC: A61B1/24, A61B1/267, A61B1/273

Publication number: US3826248A

Publication date: 1974-07-30

The invention relates to a laryngoscope for examining the larynx or the like comprising a handle element and a spatula detachable therefrom with a longitudinally extending lateral member serving as a tongue deflector.



24. Illuminated tongue depressor [\(click title to open full text\)](#)

Inventor: ROBINSON HERBERT L[US]

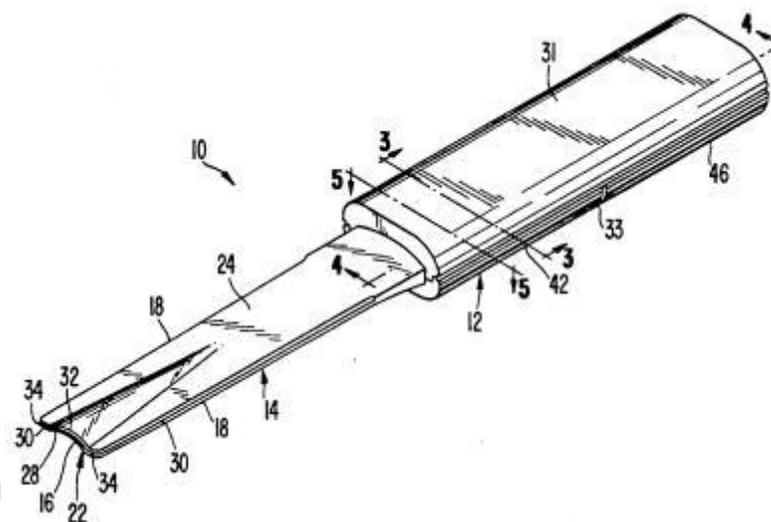
Applicant: SCIENT MEDICAL PROGRAMS INC[US]

IPC: A61B1/24

Publication number: US5318009A

Publication date: 1994-06-07

The illuminated tongue depressor includes a handle having a battery-operated light source and a depressor blade selectively coupled with or uncoupled from the handle for discard and replacement. The blade includes a length extending longitudinally between a proximal end and a distal end and laterally between opposite sides, and includes upper and lower surfaces, a peripheral edge between the upper and lower surfaces defining a relatively thin blade thickness, a root adjacent the proximal end of the blade, a tip at the distal end of the blade, and a light conducting material between the upper and lower surfaces and extending along the blade from the root to at least a portion of the peripheral edge at the tip of the blade. A light directing configuration formed on the distal end directs the light transmitted by the light conducting material toward the area to be examined and includes an elevated portion at the tip and a support leg on both sides thereof for contacting the patient's tongue during use to maintain the elevated portion above the portion of the tongue immediately in front of the tip. The handle includes a movable arm and associated contact forming a switch which is automatically closed energizing the light source when the blade is moved into a coupled position, and automatically opened deenergizing the light source when the blade is moved to an uncoupled position.



25. Illuminable tongue depressor assembly [\(click title to open full text\)](#)

Inventor: LESKO ROBERT[US]

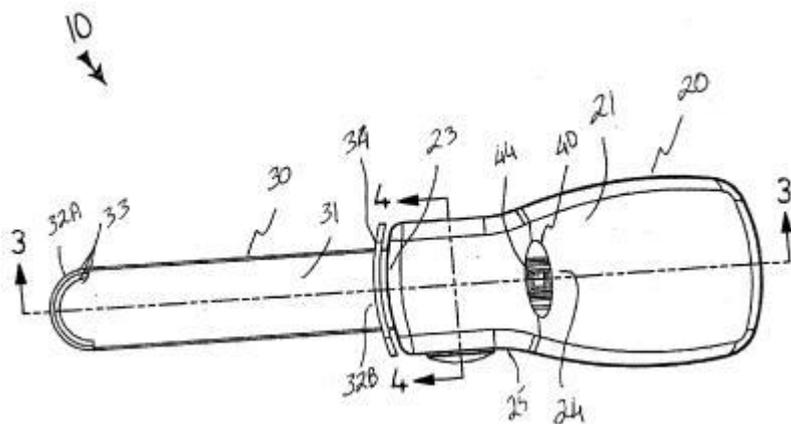
Applicant: -

IPC: A61B1/32

Publication number: US2007055112A1

Publication date: 2007-03-08

A tongue depressor includes a handle that can be grasped and held within a user's hand. An elongated implement is connected to a distal end of the handle and protrudes forwardly therefrom. A light source is situated to an interior of the handle and is proximally adjoined to the implement. The light source faces outwardly from the handle and emits light along a length of the implement. A power supply source is coupled to the light source. The light source is adaptable between on and off modes. A base member includes a grooved portion extending through a top surface thereof that receives and stores the handle therein. A recessed depression is formed adjacent to the grooved portion. A rack is positional into the recessed depression and is provided with notches that receive and support new implements therein.



26. Tissue Retractor Oximeter

[\(click title to open full text\)](#)

Inventor: MAO JIMMY JIAN-MIN[US], LASH ROBERT E[US]

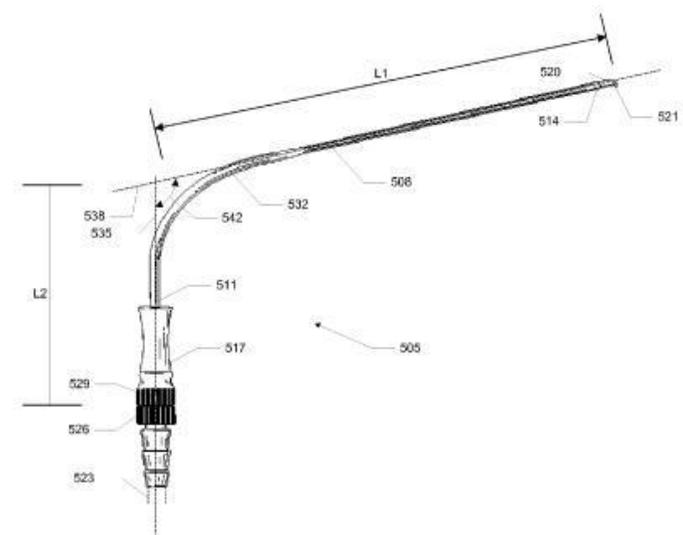
Applicant: VIOPTIX INC[US]

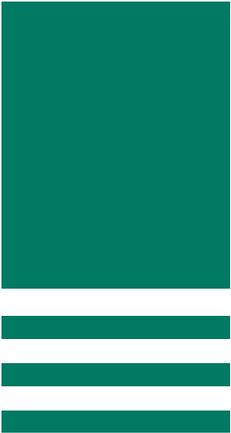
IPC: A61B5/145, A61B1/32

Publication number: US2008319290A1

Publication date: 2008-12-25

A retractor has an oximeter sensor at its tip, which allows measuring of oxygen saturation of a tissue being retracted by the retractor. The tip includes one or more openings for at least one source and detector. A specific implementation is a spinal nerve root retractor with an oximeter sensor.





**GENERATED BY
WWW.IP-LAWYER-TOOLS.COM
BY MARTIN SCHWEIGER**

**105 CECIL STREET #12-04
THE OCTAGON
SINGAPORE 069534**

TEL: +65 6337 6191

OFFICE@IP-LAWYER-TOOLS.COM

