

Record 1/25 WO1999037238A1 ASPIRATEUR DE SALIVE POUR TRAITEMENT DENTAIRE | SALIVA ASPIRATOR FOR DENTAL TREATMENT

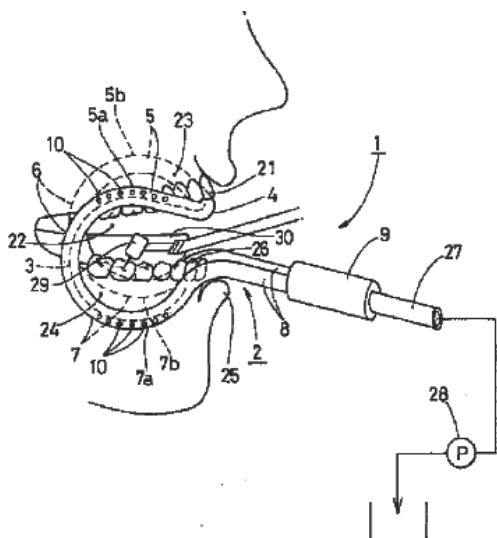
Publication Number:  [WO1999037238A1](#)

Title: ASPIRATEUR DE SALIVE POUR TRAITEMENT DENTAIRE | SALIVA ASPIRATOR FOR DENTAL TREATMENT

Abstract (English):

A saliva aspirator for dental treatment which can suck and discharge saliva and dirty water and at the same time can separate the tongue, the buccal mucosa and the like from the teeth as a treatment site merely by setting the aspirator within the mouth. An aspirator (1) is set in an opened oral cavity (22), and a vacuum pump (28) is turned on. This permits the interior of the aspirator (1) to be put under negative pressure, ensuring the suction and discharge, through a plurality of saliva suction holes (10) provided in a deep section (5) and a front returning section (7), of the saliva secreted from the submandibular gland, parotid gland, and sublingual gland during dental treatment, dirty water within the oral cavity created during the treatment, and cooling water injected into the oral cavity when a rotary cutting tool (29) is used at the time of cutting the tooth. In this case, the patient's intraoral organs, such as the tongue (30) and the buccal mucosa, are impeded by the deep section (5), a curved continuous section (6), and the front returning section (7), thus permitting the organs to be prevented from approaching the tooth portion to be treated.

Front Page Drawing:



Priority Number: JP199723180A | JP199825068A

Priority Date: 1997-01-21 | 1998-01-21

Application Number: WO1998JP316A

Application Date: 1998-01-27

Publication Date: 1999-07-29

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61C001708	A	A61	A61C	A61C0017	A61C001708

Assignee/Applicant: OHGUCHI Hiroshi,JP

Publication Number:  [CN204618457U](#)

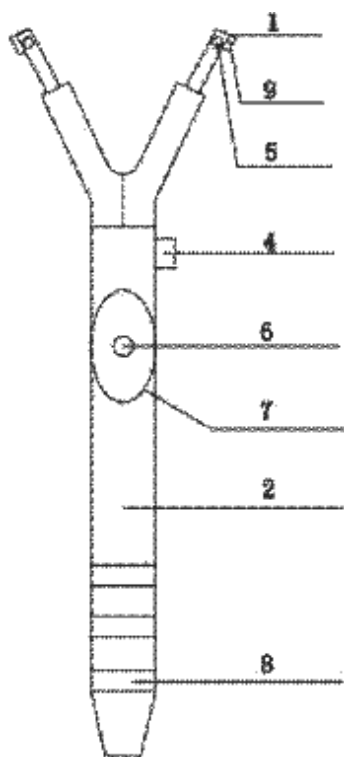
Title: | A telescopic oral surgical suction tube (*Translation from Clarivate Analytics*)

Abstract (English):

This utility new type refers to a kind of medical appliance technical field, more particularly, relates to a flexible oral surgical suction tube, comprising two suction pipe, a negative pressure aspirator connection tube, a worm wheel structure and closing ring; the worm wheel structure and the collar is located in the negative pressure aspirator connection tube; said suction pipe comprises the negative pressure aspirator connection tube is a hollow circular tube of Y type sliding connection, flexible pipe and passes through the lower hollow circular pipe of said collar, rotating the worm wheel structure. on hollow circular tube worm gear structure on one worm with the same side of the contact, the corresponding suction head in an extended state, and the other one worm and upper hollow circular pipe at the same side from, the corresponding suction pipe is in the contracted state. This utility model is by rotating the worm wheel structure, so can respectively absorb saliva and blood become possible with a branch suction pipe for, and will not cross each other, which not only improves the operation efficiency, and reduces the possibility of surgical infection.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201520314070U

Priority Date: 2015-05-15

Application Number: CN201520314070U

Application Date: 2015-05-15

Publication Date: 2015-09-09

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup

A61C001706	A	A61	A61C	A61C0017	A61C001706
A61M002514	A	A61	A61M	A61M0025	A61M002514

Assignee/Applicant: ,,510140,CN | Stomatological Hospital Of Guangzhou Medical University,Guangzhou,Guangdong,510140,CN

Publication Number:  [CN210612270U](#)

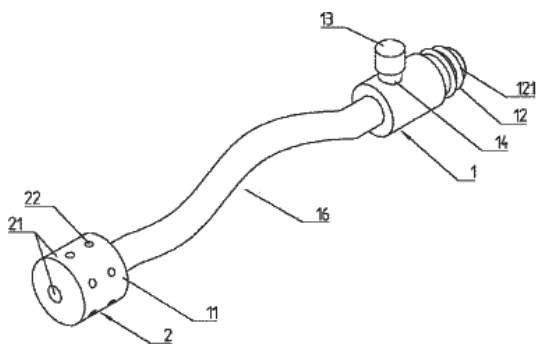
Title: | Portable saliva suction device and saliva suction device (*Translation from Clarivate Analytics*)

Abstract (English):

The utility model claims a portable saliva suction device. It includes a rod-shaped saliva suction device body, which has a hollow structure, and the saliva suction device body includes a first saliva suction device body, a second saliva suction device body, and a saliva suction tube, the saliva suction tube is connected with the first saliva suction device body and the second saliva suction device body, one end of the first saliva suction device body is connected to the negative pressure pipeline, and the second saliva suction device body has a saliva suction port; the saliva suction port sleeve is provided with a sponge, and the first saliva suction device body is provided with a relief hole in the radial direction; the opening of the decompression hole is fixedly provided with a filter assembly; it also includes a saliva suction device based on the above-mentioned portable saliva suction device, which can suck oral secretions continuously with low negative pressure, and is provided with a decompression hole, which avoids damage to the oral mucosa and head-end sponge device, increases patient comfort and keeps the mouth clean, thereby reducing the risk of accidental aspiration and VAP.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201920836627U

Priority Date: 2019-06-04

Application Number: CN201920836627U

Application Date: 2019-06-04

Publication Date: 2020-05-26

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61C001706	A	A61	A61C	A61C0017	A61C001706
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,314000,CN | The First Hospital of Jiaxing,Jiaxing,Zhejiang,314000,CN

Publication Number:  **CN110124186A**

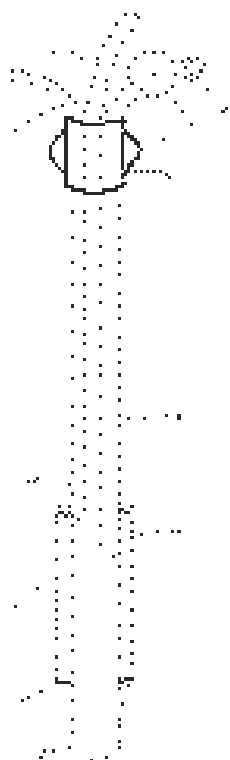
Title: | Three-chamber single-sac tube (*Translation from Clarivate Analytics*)

Abstract (English):

The invention claims a three-chamber single-sac tube, which comprises a tube sac and a three-chamber tube; the inside of the tube sac contains a cavity containing gas or liquid; the three-chamber tube body is provided with a gastric tube which is adhered to each other, an air bag inflation tube, and a suction tube above the air bag; the end opening of the suction tube is located above the air bag, the starting end can be connected to an aspirator, so that saliva and sputum above the air bag can be sucked. The gas and liquid can be injected into the air bag inflation tube at the starting end, and the end is connected with a pressure sensor, this ensures the accuracy of the pressure, in addition, a proper amount of liquid can be injected through the action of gravity to reduce the probability of the air bag coming out of the body. The end of the gastric tube is located in the stomach, and the starting end of the gastric tube can be connected with a negative pressure suction or injected food through the gastric tube. The three-chamber single-sac tube of the utility model is suitable for esophageal surgery, which can reduce the adverse effects of saliva sputum and bile reflux on incision, and also can suppress to stop bleeding and reduce anastomotic stricture after esophageal surgery.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201910561645A

Priority Date: 2019-06-26

Application Number: CN201910561645A

Application Date: 2019-06-26

Publication Date: 2019-08-16

IPC Class Table:

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IPC	Section	Class	Subclass	Class Group	Subgroup
A61M002510	A	A61	A61M	A61M0025	A61M002510
A61B001712	A	A61	A61B	A61B0017	A61B001712
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,110000,CN | | XIE Jun-wei,Shenyang,Liaoning,110000,CN | WANG Jing-li

Publication Number:  **CN211658842U**

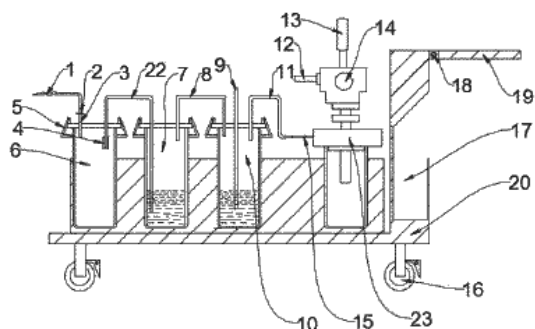
Title: | Clinical drainage device for internal secretion department (*Translation from Clarivate Analytics*)

Abstract (English):

The utility model claims a drainage device for internal secretion department clinical use, relating to medical drainage device related field, connected with multifunctional conversion head through the drainage tube, solving the problem that the drainage tube cannot be connected with a plurality of calibres. the upper end of the first air suction pipe is provided with a drainage pipe; and the first air suction pipe and the drainage pipe are connected through a multifunctional conversion head; the other side of the upper end of the third wide-mouth bottle is provided with a fifth air suction pipe; one end of the fifth air suction pipe is provided with an air inlet hole; and the air inlet hole is set at the lower end of the negative pressure suction apparatus, one side of the upper end of the negative pressure aspirator is provided with a negative pressure hole; the front surface of the upper end of the negative pressure aspirator is provided with a flow regulator; the upper end of the negative pressure aspirator is provided with a vacuum meter.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201921401596U

Priority Date: 2019-08-27

Application Number: CN201921401596U

Application Date: 2019-08-27

Publication Date: 2020-10-13

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,553500,CN | ZHOU Li,Liupanshui,Guizhou,553500,CN

Publication Number:  [CN206852836U](#)

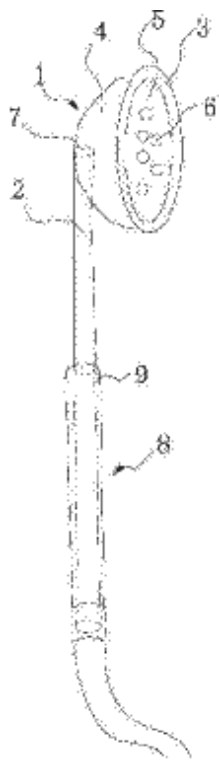
Title: | A hand-held negative pressure aspirator (*Translation from Clarivate Analytics*)

Abstract (English):

The utility model is suitable for oral medical appliance field, and provides a handheld negative pressure suction apparatus comprises suction head facing the oral cavity, for providing suction to the suction head of the main machine and connected with said suction head and said main machine and convenient for the user to hand-held suction tube, said suction head comprises a hollow cavity connected with the suction pipe and fixed with the cover body and cover installed on the cover body, the cover body is provided with the hollow cavity of the suction hole. the hollow cavity of the hand-held negative pressure suction through the suction tube and suction head are connected with the host, the suction head under the suction effect of host to form a local negative pressure laminar flow, so that the dental treatment dispersed the large droplet and aerosol in the air sucked by the suction head, can be removed in time, reduces the exposure of medical workers and patients in danger of the pathogenic microorganism, guarantees the diagnosis safety and health of medical workers and patients.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201621101864U

Priority Date: 2016-09-30

Application Number: CN201621101864U

Application Date: 2016-09-30

Publication Date: 2018-01-09

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100

A61C001706	A	A61	A61C	A61C0017	A61C001706
A61C001900	A	A61	A61C	A61C0019	A61C001900

Assignee/Applicant: ,,518000,CN | | Shenzhen Longgang Central
Hospital,Shenzhen,Guangdong,518000,CN | Shenzhen-Hong Kong Production and Research
Base

Record 7/25 CN206103092U | Slobber drainage tube

Publication Number:  **CN206103092U**

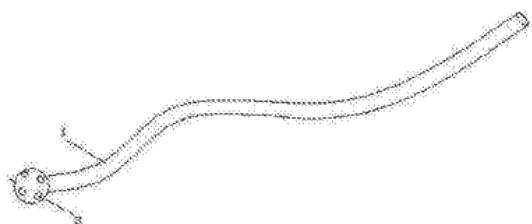
Title: | Slobber drainage tube *(Translation from Clarivate Analytics)*

Abstract (English):

The utility model claims a water drainage pipe. water drainage tube comprises a drainage tube body, drainage tube body one end is connected with negative pressure suction apparatus, while the other end is connected with the round ball of drainage ball, drainage ball is hollow, and is provided with multiple small holes on the ball body. The utility model does not need frequently drainage tube position can of water drainage in oral cavity of patient, because it is a sphere, so it will not make the patient feel what discomfort, it will not damage the mucous membrane of the oral cavity of the patient.

(Translation from Clarivate Analytics)

Front Page Drawing:



Priority Number: CN201620665040U

Priority Date: 2016-06-29

Application Number: CN201620665040U

Application Date: 2016-06-29

Publication Date: 2017-04-19

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M002500	A	A61	A61M	A61M0025	A61M002500

Assignee/Applicant: ,,401147,CN | YANG Na,Chongqing,401147,CN

Publication Number:  **CN204766987U**

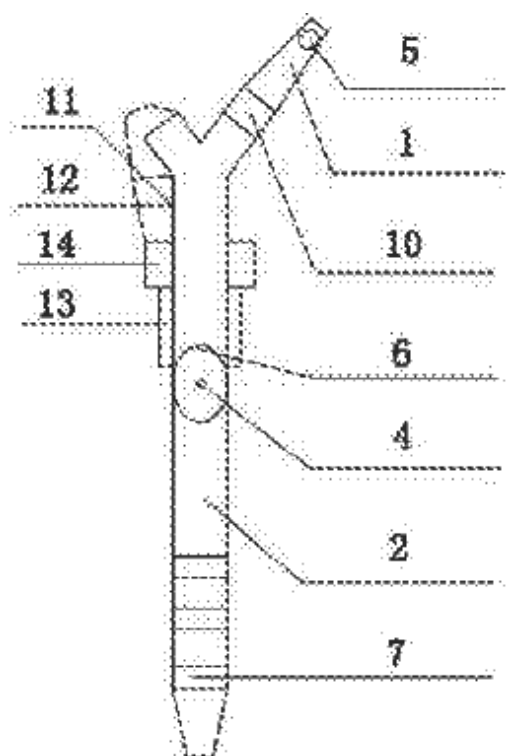
Title: | A foldable oral surgical suction tube (*Translation from Clarivate Analytics*)

Abstract (English):

This utility new type refers to a kind of medical appliance technology field, and more particularly, to a foldable oral surgical suction tube. comprises two suction pipe, flexible pipe and two negative pressure aspirator connection tube; the suction pipe head is fixedly connected with the flexible pipe; by folding the flexible tube the suction pipe head can be folded to the opposite to the other direction of the suction pipe and connected with the negative-pressure suction tube are adhered together, the foldable oral surgical suction tube further comprises the suction head for preventing pollution of rubber, the rubber is matched at the outer side of the suction pipe head and the suction pipe; the flexible pipe is Y-shaped with the negative pressure aspirator connection tube are fixedly connected. This utility new type by folding said flexible tube by one suction pipe for absorbing saliva, other suction blood suction pipe, which not only improves the operation efficiency, and reduces the possibility of surgical infection during the surgical process.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201520313938U

Priority Date: 2015-05-15

Application Number: CN201520313938U

Application Date: 2015-05-15

Publication Date: 2015-11-18

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M002514	A	A61	A61M	A61M0025	A61M002514

Assignee/Applicant: ,,510140,CN | Stomatological Hospital Of Guangzhou Medical University,Guangzhou,Guangdong,510140,CN

Record 9/25 CA2433107A1 DISPOSITIF CASSE-VIDE A FAIBLE BRUIT ET APPAREIL D'ASPIRATION REGLABLE UTILISANT CE DISPOSITIF | LOW NOISE VACUUM RELEASE DEVICE AND CONTROLLABLE SUCTION APPARATUS USING SAME

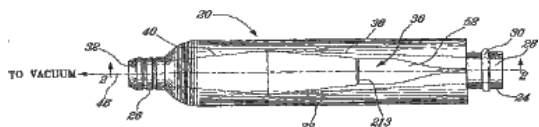
Publication Number:  CA2433107A1

Title: DISPOSITIF CASSE-VIDE A FAIBLE BRUIT ET APPAREIL D'ASPIRATION REGLABLE
UTILISANT CE DISPOSITIF | LOW NOISE VACUUM RELEASE DEVICE AND CONTROLLABLE
SUCTION APPARATUS USING SAME

Abstract (English):

More specifically, in accordance with the invention as broadly claimed, there is provided a low-noise controllable vacuum release device for regulating/controlling suction in an aspiration line, said device comprising a body defining a main fluid inlet, a fluid outlet, and a longitudinal chamber extending there-between, and a blockable bypass inlet provided with an aperture opening to the atmosphere and sloping in the general direction of the fluid outlet from an external surface of the body to said chamber and intersecting said chamber at an acute angle with respect to a longitudinal axis thereof, connecting the centre of the main fluid inlet to the fluid outlet. In operation, when the fluid outlet is connected to a vacuum source, a main fluid stream is drawn from the inlet towards the outlet and an air flow is drawn from the bypass inlet and merges with the main fluid stream with an acute incident angle so that flow separation, turbulence and therefore aerodynamic noise are reduced. Should an obstruction occur at the main fluid inlet the bypass airflow is automatically increased thus preventing excessive suction force to develop at the main inlet.

Front Page Drawing:



Priority Number: CA2433107A

Priority Date: 2003-06-30

Application Number: CA2433107A

Application Date: 2003-06-30

Publication Date: 2004-12-30

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61C001708	A	A61	A61C	A61C0017	A61C001708
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: LEMOINE PATRICK D.,BELOEIL,Q1,CA | BROUILLETTE
MARTIN,SHERBROOKE,Q1,CA | BOLDUC MAXIME,ROCK FOREST,Q1,CA | PLANTE JEAN-
SEBASTIEN,SHERBROOKE,Q1,CA

Publication Number:  **CN206852837U**

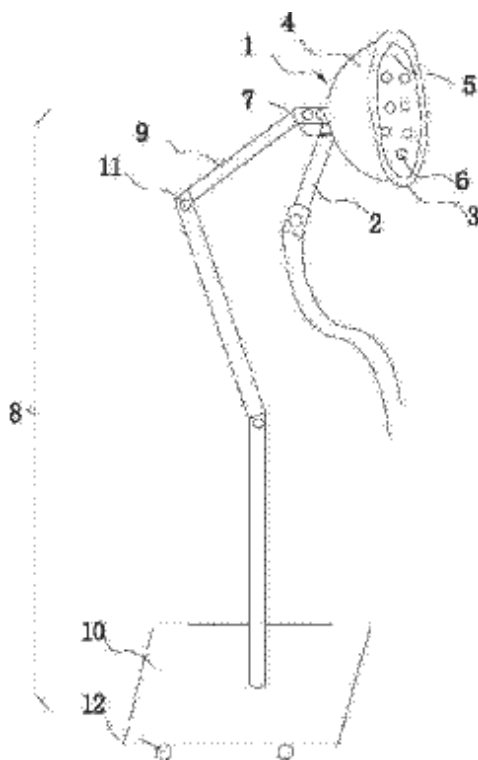
Title: | A vertical negative-pressure suction apparatus (*Translation from Clarivate Analytics*)

Abstract (English):

The utility model is suitable for oral medical appliance field, and provides a vertical negative-pressure suction apparatus, comprising a facing the mouth of the suction head, for providing suction to the suction head of the main machine. connected to said suction head and said main machine and convenient suction pipe for users to hold and support frame is mounted on said suction head and used for supporting said suction head, said suction head comprises a hollow cavity connected with the suction pipe and fixed with the cover body and cover installed on the cover body, the cover body is provided with the hollow cavity of the suction hole. the hollow cavity of the vertical negative pressure suction through the suction tube and suction head are connected with the host, the suction head under the suction effect of host to form a local negative pressure laminar flow, so that the dental treatment dispersed the large droplet and aerosol in the air sucked by the suction head cleaning, reduces the exposure of medical workers and patients in danger of the pathogenic microorganism, guarantees the diagnosis safety and health of medical workers and patients.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201621101887U

Priority Date: 2016-09-30

Application Number: CN201621101887U

Application Date: 2016-09-30

Publication Date: 2018-01-09

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup

A61M000100	A	A61	A61M	A61M0001	A61M000100
A61C001706	A	A61	A61C	A61C0017	A61C001706
A61C001900	A	A61	A61C	A61C0019	A61C001900

Assignee/Applicant: ,,518000,CN | | Shenzhen Longgang Central
Hospital,Shenzhen,Guangdong,518000,CN | Shenzhen-Hong Kong Production and Research
Base

Record 11/25 WO1988005319A1 DISPOSITIF POUR ASPIRER LES FLUIDES DES BLESSURES | WOUND FLUID ASPIRATING DEVICE

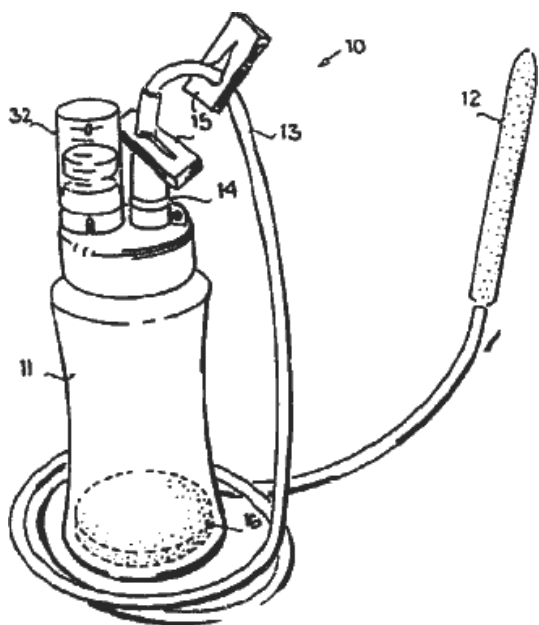
Publication Number:  [WO1988005319A1](#)

Title: DISPOSITIF POUR ASPIRER LES FLUIDES DES BLESSURES | WOUND FLUID ASPIRATING DEVICE

Abstract (English):

An aspirator (11) for aspirating wound fluids contains a small amount of a pressure-regulating fluid (16) selected so that its vapour pressure matches the desired aspirating negative pressure. This has the advantage of maintaining the negative pressure until the aspirator is almost completely filled, or even reducing it, namely in the case of a fluid selected for its ability to dissolve in the aspirated secretions. The negative pressure can be modified by changing the temperature. The aspirator can have thinner walls than previous aspirators, since the danger of deformation during sterilisation is reduced as a result of the increase in the inner pressure due to the increase in temperature. The negative pressure can be further maintained or modified by means of a negative pressure reducer, that can also be merely used as pressure display means. In that case, it can have a finger-shaped, flexible, self- bordering membrane. In order to link the aspirator to a joining tube linked to a wound draining tube, a joining device is provided designed as an aspiration regulating device.

Front Page Drawing:



Priority Number: DE3701386A | DE3711093A | DE3724483A | DE198714456U

Priority Date: 1987-01-20 | 1987-04-02 | 1987-07-24 | 1987-10-30

Application Number: WO1988DE22A

Application Date: 1988-01-19

Publication Date: 1988-07-28

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100
A61N000100	A	A61	A61N	A61N0001	A61N000100

Assignee/Applicant: MEDINORM AKTIENGESELLSCHAFT MEDIZINTECHNISCHE
PRODUKTE | FELL Helmut

Publication Number:  [KR2021001562A](#)

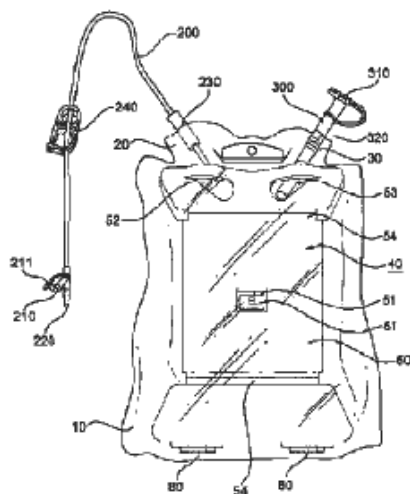
Title: | Medical Suction Unit

Abstract (English):

The medical aspirator of the present invention has an object to smoothly drain the secretion fluid generated in the affected part of the patient with a simple and easy operation. Accordingly, a medical aspirator according to an embodiment of the present invention includes: a suction bag provided in a sealed bag shape of a transparent and flexible material; A suction port formed in a tube shape on one side of the upper end of the suction bag; A suction tube made of a flexible and transparent material that is coupled to the suction port to connect the patient's affected part and the suction bag, and sucks the secretion from the affected part with the suction bag; An outlet formed in a tube shape on the other side of the upper end of the suction bag; A discharge tube that is provided in the form of a tube coupled to the discharge port to discharge the secretion liquid stored in the suction bag to the outside of the suction bag; Including, the suction bag, consisting of a hard plate-shaped upper plate and a lower plate, accommodated in the inner space of the suction bag, a negative pressure plate provided in a corresponding shape smaller than the suction bag; The negative pressure plate further includes an elastic member provided in a central portion between the upper plate and the lower plate, wherein the negative pressure plate is disposed so that the upper plate and the lower plate face each other, and the upper plate and the lower plate are hinged to each other at one end, and the upper An upper hook is provided in the center of the plate, and a lower hook is provided in the center of the corresponding lower plate so that the upper plate and the lower plate are mutually coupled and fixed, and each of the upper plate and the lower plate is located at a corresponding position. When the refraction part with a transverse groove is provided and the refraction part is folded lightly, the combined state of the upper plate and the lower plate is released, and the elastic member pushes up the upper plate and expands the suction bag to create a negative pressure inside the suction bag. It characterized in that it includes.

(Translation from Clarivate Analytics)

Front Page Drawing:



Priority Number: KR201977840A

Priority Date: 2019-06-28

Application Number: KR201977840A

Application Date: 2019-06-28

Publication Date: 2021-01-06

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,KR | EUM KWAN-YONG,KR

Publication Number:  **CN109998452A**

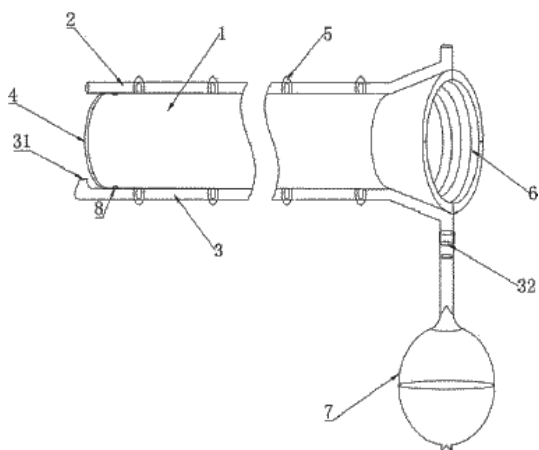
Title: | An endoscope sleeve (*Translation from Clarivate Analytics*)

Abstract (English):

This invention claims an endoscope cannula. lens for endoscope into the endoscope sleeve comprises sleeve, installed on the front end of the sleeve and a fixing structure fixed at the back end of the sleeve, the fixing structure for fixedly connected to the endoscope handle, the sleeve is provided with a suction channel and an air inlet channel along the length direction, the front end of the suction channel extends to the front side of the casing, for sucking the secretion of the patient, the air outlet of the intake passage toward the lens is arranged for blowing to the lens. endoscope sleeve of the invention is used, the endoscope and the endoscope sleeve extends to the patient, when the patient secretions, the negative pressure aspirator is connected to the rear end of the suction channel, absorbing secretion the patient too much and enhances the endoscope imaging effect, thereby enhancing the detection accuracy. when meeting with secretion adhered on the lens, through the intake passage inlet, the secretion of lens is blown away to finish the cleaning of the lens.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201910370503A

Priority Date: 2019-05-06

Application Number: CN201910370503A

Application Date: 2019-05-06

Publication Date: 2019-07-12

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61B000100	A	A61	A61B	A61B0001	A61B000100
A61B0001012	A	A61	A61B	A61B0001	A61B0001012
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,471000,CN | The First Affiliated Hospital of Henan University of Science & Technology,Luoyang,Henan,471000,CN

Publication Number:  **CN206700245U**

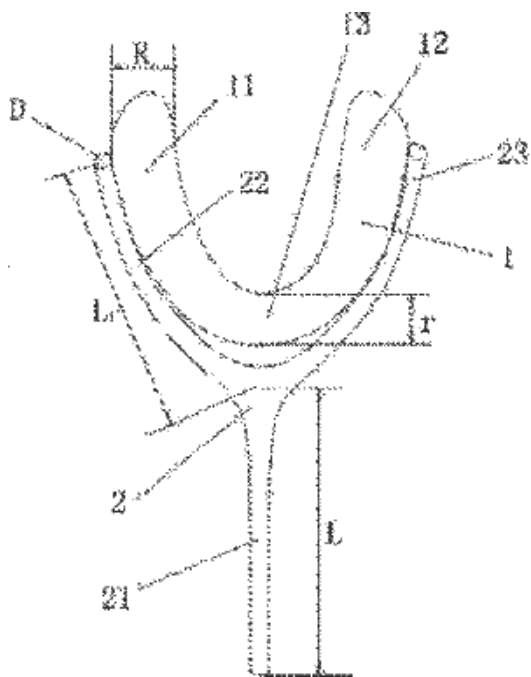
Title: | A tongue-guard aspirator for dental surgery (*Translation from Clarivate Analytics*)

Abstract (English):

A tongue-guard aspirator for dental surgery, wherein it is composed of flexible tongue-guard and suction head, the suction head is Y-shaped three-way structural pipe, composed of a straight pipe and a fork at one end thereof, the straight tube and the two fork; two fork pipe end is saliva suction port, and the other end of the straight tube is connected with the dental comprehensive treatment system negative pressure aspirator port; said flexible tongue-guard is arc structure; the flexible arc-shaped tongue shield two side arc edge fixedly blocked between the two fork tubes of the suction apparatus head. The dental surgery for tongue-guard suction simultaneously with pulling tongue and sucking saliva function, not only provide clear surgical view, and can improve the comfort of the patient, and it can reduce the operation load of the assistant, the efficiency of operation is increased, for the operator, assistant, patient smoothly finish the planting treatment has important clinical significance, it is an ideal tongue-guard suction auxiliary tool for dental implant surgery.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201621044581U

Priority Date: 2016-09-07

Application Number: CN201621044581U

Application Date: 2016-09-07

Publication Date: 2017-12-05

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61C000800	A	A61	A61C	A61C0008	A61C000800
A61C001900	A	A61	A61C	A61C0019	A61C001900

A61M000100	A	A61	A61M	A61M0001	A61M000100
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Assignee/Applicant: ,,518172,CN | | Shenzhen Longgang People's
Hospital,Shenzhen,Guangdong,518172,CN | Shenzhen Longgang Central Hospital

Publication Number:  **CN202314567U**

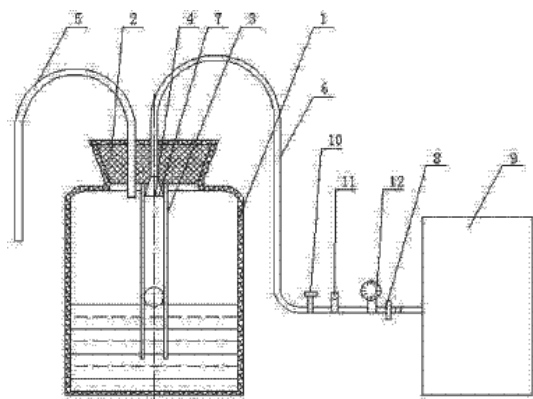
Title: | Simple negative pressure sputum aspirator (*Translation from Clarivate Analytics*)

Abstract (English):

The utility model claims a simple negative pressure aspirator. simple negative pressure aspirator is mainly for medical institutions and medical center for other secretion, the existing simple negative pressure aspirator has large volume, heavy weight, inconvenient to move. Said product comprises liquid collecting bottle (1), the liquid collecting bottle is provided with a sealing glue cover (2), the collecting liquid in the bottle through the floater guide plate (3) is floater (4); suction conduit (5) and vacuum pipe (6) respectively through the sealing rubber cover is stretched into the liquid collecting bottle, one end of said vacuum conduit connected with the sucker (7), the other end of the vacuum pipe through connection joint (8) connected with the vacuum pump (9), the vacuum pipe is in negative pressure adjusting valve (10); disconnecting valve (11) and a vacuum meter (12). The product is used as a medical instrument.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201120446005U

Priority Date: 2011-11-13

Application Number: CN201120446005U

Application Date: 2011-11-13

Publication Date: 2012-07-11

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,158100,CN | PAN Bo,Jixi,Heilongjiang,158100,CN

Publication Number:  **CN107158488A**

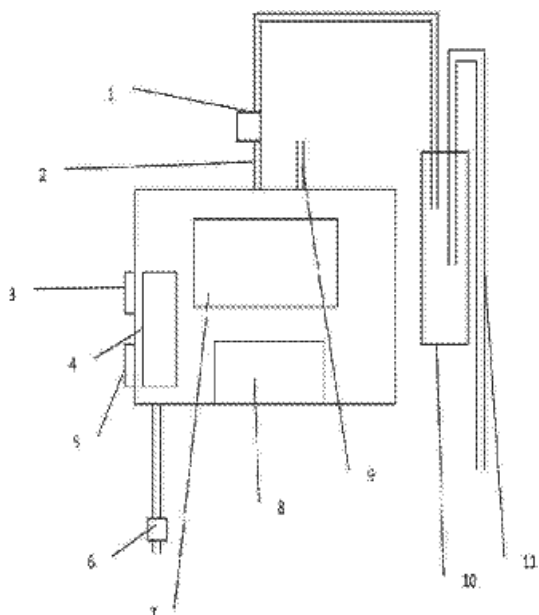
Title: | Portable sputum aspirator (*Translation from Clarivate Analytics*)

Abstract (English):

Portable sputum suction apparatus is a portable at home, public places, ward, transferring the patient in the patient ' s mouth and throat, airway secretion draft prevent suffocation of first aid supplies. in daily life, infant respiratory tract infection, convulsions, old, long term neural rehabilitation of patients, sometimes it will with oropharyngeal secretions cannot be discharged, serious patients can cause respiratory tract obstruction and asphyxia, in the sickroom, transferring the patient. the negative pressure suction device is not easy to timely obtain or aspirating device re-bringing inconvenience to patient urgently needs the sputum aspiration nursing, the urgently needs a portable sputum aspirator used under emergency situation the patient ' s mouth and throat, trachea secretion timely sucking preventing aspiration or airway obstruction. At present, most families, public occasions, ward, there is no portable sputum aspirator for use. portable sputum aspirator is composed of electric power driving micro vacuum pump is running and generates negative pressure, the negative pressure suction pipe can suck the sputum.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201710393843A

Priority Date: 2017-05-28

Application Number: CN201710393843A

Application Date: 2017-05-28

Publication Date: 2017-09-15

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,730001,CN | LI Xing-chuan,Lanzhou,Gansu,730001,CN

Publication Number:  **CN208741530U**

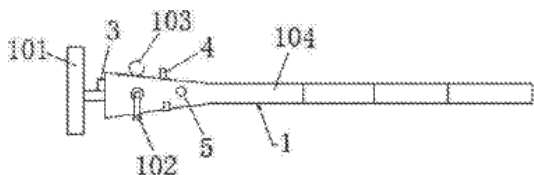
Title: | A nasal jejunal tube auxiliary visual guide device (*Translation from Clarivate Analytics*)

Abstract (English):

The utility model claims a nasal jejunal tube auxiliary visual guide device, a visual guide device and thread empty intestine pipe device visual guide device comprises an integrated and thread empty intestine pipe. When using this utility model, the integrated, the light source connecting connector connected to the power supply, opening the video screen and light source, the integrated in vitro detection of visual guide device after definition of the tail camera, thread empty intestine pipe coating paraffin oil lubrication, enters from the patient nasal visual screen imaging by adjusting operator. adjusting the advancing direction, in the advancing process, if gastrointestinal secretion in blocking the camera can by suction at a second opening for injection water, then suction joint suction by negative pressure to ensure the clear view, reaches the predetermined position of the jejunum, thread empty intestine pipe fixer of visual device and thread the jejunal tube releasably integrated, fixed thread empty intestine pipe, slowly exit the integrated video device, mark thread the jejunal tube of depth.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201721335180U

Priority Date: 2017-10-17

Application Number: CN201721335180U

Application Date: 2017-10-17

Publication Date: 2019-04-16

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61J001500	A	A61	A61J	A61J0015	A61J001500
A61B000104	A	A61	A61B	A61B0001	A61B000104
A61B000106	A	A61	A61B	A61B0001	A61B000106
A61B0001273	A	A61	A61B	A61B0001	A61B0001273
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,510030,CN | The First Affiliated Hospital Sun Yat-sen University,Guangzhou,Guangdong,510030,CN

Record 18/25 CN206660178U | A first-aid nursing respiratory tract for negative pressure suction device

Publication Number:  **CN206660178U**

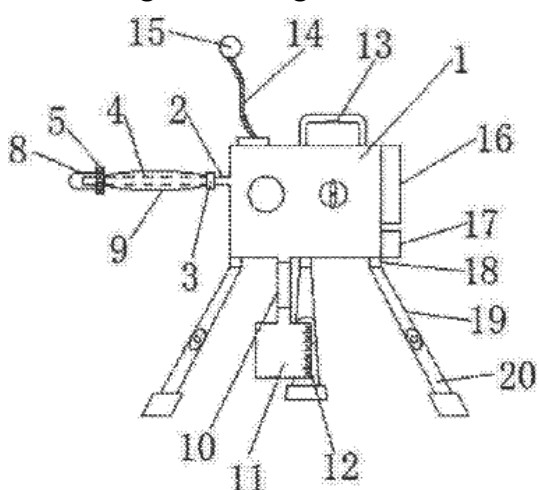
Title: | A first-aid nursing respiratory tract for negative pressure suction device (*Translation from Clarivate Analytics*)

Abstract (English):

The utility model claims a first-aid nursing for respiratory negative pressure suction device, comprising a negative pressure suction apparatus, the suction port of the negative pressure aspirator is connected with one end of the connection pipe; right end of the connecting pipe and the other end of the disposable and controllable silicon gel suction pipe connected by the connecting base, the left end of the disposable and controllable silicon gel suction pipe inserted into the through pipe, the through pipe is set at the centre of the switch control knob, on the side wall of the through pipe is provided with an elastic lubricating sleeve, the front end of the said through tube connected with a sterile sleeve. the bottom of the negative pressure aspirator is provided with one end of the circulating pipe, the tail end of the flow pipe is connected with the disposable plastic bag, the emergency care for respiratory negative pressure suction device is simple in structure, small in volume and convenient to carry, especially suitable for rescue site disaster or failure local emergent absorb blood or secretion of respiratory tract or wound to ensure the respiratory tract smooth or clean the wound.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201621238349U

Priority Date: 2016-11-18

Application Number: CN201621238349U

Application Date: 2016-11-18

Publication Date: 2017-11-24

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,443000,CN | Yichang No.2 People's Hospital,Yichang,Hubei,443000,CN

Publication Number:  **CN205626575U**

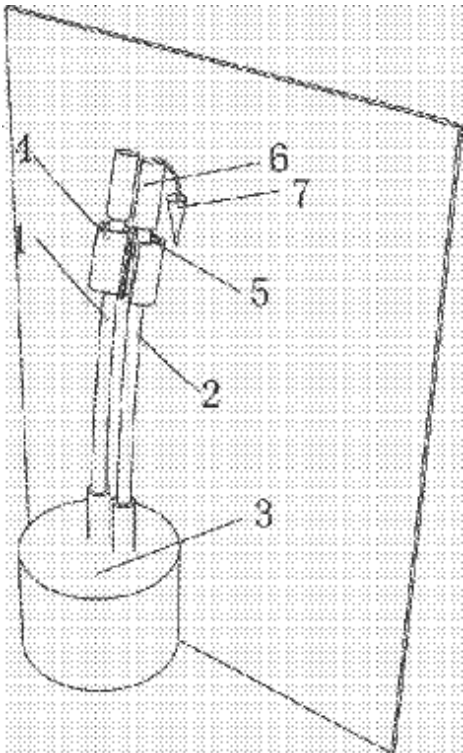
Title: | negative pressure suction device *(Translation from Clarivate Analytics)*

Abstract (English):

The utility model claims a negative pressure suction device, a device which is a suction mouth, nasal secretions, wherein it comprises waste liquid collecting tank, the waste liquid collecting tank top opening I and the opening II is connected with suction connecting pipe, the opening I is connected with the negative pressure device through the aspirator connection tube, opening II through the aspirator connection tube connected with the suction tube to suck the aspirator connection tube is provided with a supporting piece which can realize suction tube supporting effect. The utility model has simple structure, low manufacturing cost and can effectively the suction pipe negative pressure suction device for effective control, realizing the operation sanitation, solving the operation process, the suction pipe fixing defect is randomly being thrown.

(Translation from Clarivate Analytics)

Front Page Drawing:



Priority Number: CN201620146053U

Priority Date: 2016-02-26

Application Number: CN201620146053U

Application Date: 2016-02-26

Publication Date: 2016-10-12

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,530021,CN | The People's Hospital of Guangxi Zhuang Autonomous

Region,Nanning,Guangxi Zhuang Autonomous Region,CN

Record 20/25 CN200963366Y | lockable rainage tube with connected triple-cavity for washing abdominal cavity

Publication Number:  **CN200963366Y**

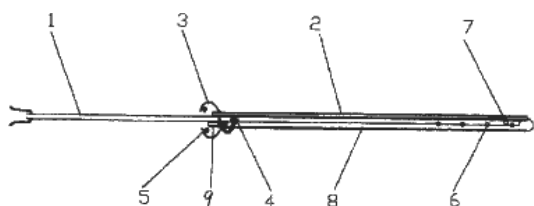
Title: | lockable rainage tube with connected triple-cavity for washing abdominal cavity (*Translation from Clarivate Analytics*)

Abstract (English):

A lockable drainage tube with convection among triple-cavity for washing abdominal cavity, which is made of silicon gel; washing tube, drainage tube, two cavities of negative pressure suction tube are shaped by mould compression. The upper part and top end of the drainage tube are respectively installed with three inlet holes, which are used to drain abdominal abscess, intestinal juice of the intestinal fistula, gall of the gall fistula, pancreatic juice of pancreatic fistula and so on. It is a method with the help of air convection to relieve the high vacuum caused by negative pressure suction tube which will suck in the necrotic tissues to the side holes, and block cavities, or blocking, isolation of washing cavity and drainage cavity caused by negative pressure suction tube. The wash cavity is totally separated from the drainage cavity, to avoid infection, air inlet can be opened or closed at any time, the abdominal cavity infection is reduced, air inlet valve in different parts can be opened or closed according to the position of body, so as to avoid the overflowing of conduction fluid. It can drain fluently and reduce the infection of cavity.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN200620021277U

Priority Date: 2006-07-20

Application Number: CN200620021277U

Application Date: 2006-07-20

Publication Date: 2007-10-24

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100
A61M000300	A	A61	A61M	A61M0003	A61M000300
A61M002700	A	A61	A61M	A61M0027	A61M002700
A61M003900	A	A61	A61M	A61M0039	A61M003900

Assignee/Applicant: „154107,CN | | ZHANG Yu-bo,Hegang,Heilongjiang,154107,CN | ZHUANG Qian-jun

Record 21/25 JP2008206805A APPARATUS FOR COLLECTING SECRETION SUCH AS SPUTUM | Secretion extraction|collection instruments, such as sputum

Publication Number:  **JP2008206805A**

Title: APPARATUS FOR COLLECTING SECRETION SUCH AS SPUTUM | Secretion extraction|collection instruments, such as sputum (*Translation from Clarivate Analytics*)

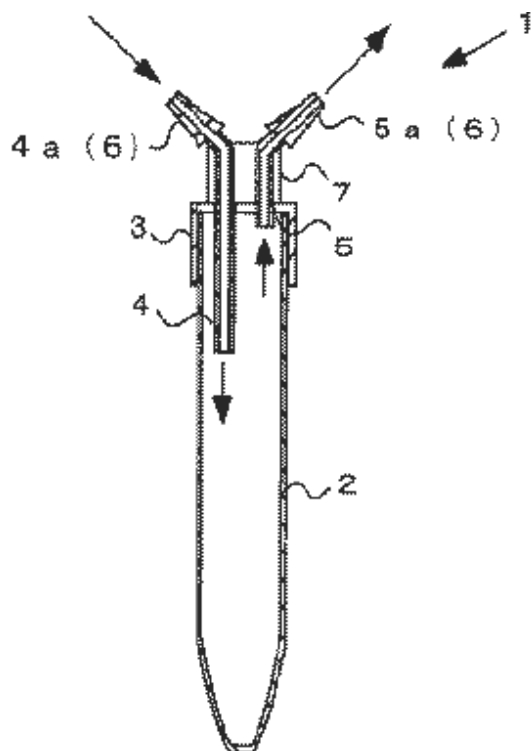
Abstract (English):

PROBLEM TO BE SOLVED: To shorten the entire tube and to prevent sucked sputum from being sucked to a negative pressure suction device side by the falling of a spit tube sideways even when the tube or a suction catheter are pulled during work by changing the connecting direction of the suction catheter and a suction side tube in a cap part.

SOLUTION: The apparatus for collecting secretion such as sputum comprises: the spit tube 2 for temporarily preserving and transporting the sputum or the like sucked and collected from the trachea of a person or the like; the cap part 3 freely detachably attached to the opening of the spit tube 2; a collecting tube part 4 for sucking the sputum from the suction catheter 51 into the spit tube 2; and a suction tube part 5 for turning the inside of the spit tube 2 to negative pressure by a negative pressure suction device 52. The collecting tube part 4 and the suction tube part 5 are respectively projected in the state of being inclined at prescribed angles 1 and 2 so that both are respectively separated relative to the longitudinal direction of the spit tube 2.

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Front Page Drawing:



Priority Number: JP200747442A

Priority Date: 2007-02-27

Application Number: JP200747442A

Application Date: 2007-02-27

Publication Date: 2008-09-11

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100
A61M002500	A	A61	A61M	A61M0025	A61M002500
G01N000110	G	G01	G01N	G01N0001	G01N000110

Assignee/Applicant: CENTURY MEDICAL INC

Publication Number:  **CN109009520A**

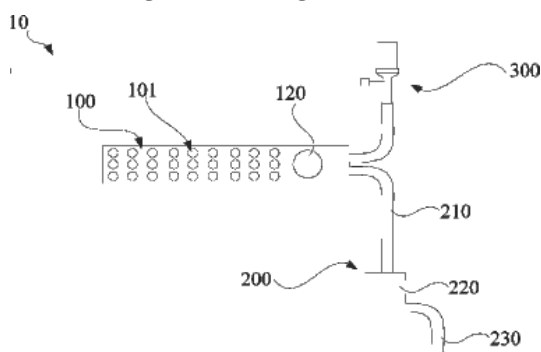
Title: | A washing device for teeth and oral cavity (*Translation from Clarivate Analytics*)

Abstract (English):

The invention claims an oral cavity flushing device, comprising a flushing tube, a liquid inlet device and a suction device. the flushing pipe body comprises a flushing pipe and a flushing mechanism, a flushing pipe body is a cylinder, the inner part is provided with a cavity, a flushing pipe body one end is washing end, flushing end of end face is provided with a washing hole, washing hole communicating the cavity with the outside, and the other one end is the bottom of the sealed end, closed end is provided with a first inserting hole and the second inserting hole, flushing mechanism is set on the flushing pipe. a liquid inlet device comprises a connection pipe, a liquid inlet motor and a liquid inlet pipe. providing washing liquid is the washing liquid inlet device. the pumping device comprises a liquid suction pipe, suction, air pipe and the negative pressure motor, a suction device for washing liquid and foreign matter after extracting in the oral cavity. The oral cavity washing device structure simple, good washing effect, in the washing process, it can achieve while flushing suction, washing force is adjustable, and can remove secretion and residue in the oral cavity so as to reduce the workload of the medical staff.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN201811010528A

Priority Date: 2018-08-31

Application Number: CN201811010528A

Application Date: 2018-08-31

Publication Date: 2018-12-18

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61C001702	A	A61	A61C	A61C0017	A61C001702
A61C001706	A	A61	A61C	A61C0017	A61C001706
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,400042,CN | Third Affiliated Hospital Army Medical University of PLA (Field Surgery Research Institute),Chongqing,400042,CN

Publication Number:  **CN2566857Y**

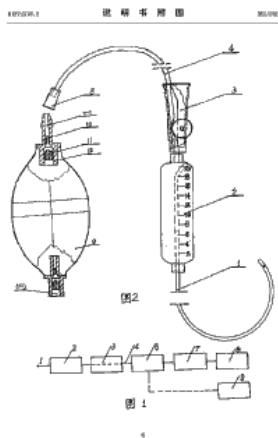
Title: | Neonatal mucus aspiration instrument (*Translation from Clarivate Analytics*)

Abstract (English):

A micro newborn mucus aspiration instrument is the absorption of amniotic fluid and secretions, throat and trachea. It is composed of two parts: the first part is a disposable neonatal mucus aspirator, it is composed of a suction pipe, Wang liquid storage tank, a negative pressure guiding pipe, roller negative pressure regulator and nozzle. the second part is a neonate mucus suction device for generating negative pressure. It generates negative pressure by two ways: first one is ball mucus suction device, which is a one-way valve composed of a rubber ball and two mutually opposite direction of head and tail of the rubber ball. a second pump mucus suction device, which pin of the eccentric wheel to rotate, the eccentric wheel is driven by micro direct current motor drives the connecting rod pulls and pushes the rubber on the rubber pump, to make it flat, and make it to generate vacuum; the two parallel. the same structure, the upper and lower positions mutually reversed installation of one-way valve matching to generate negative pressure, the negative pressure can be adjusted by changing the magnitude of the voltage V_a on the armature added to achieve negative pressure self-control, over-voltage can automatically stop and alarm, and with a liquid crystal digital display size of negative pressure.

(*Translation from Clarivate Analytics*)

Front Page Drawing:



Priority Number: CN2001274578U

Priority Date: 2001-11-18

Application Number: CN2001274578U

Application Date: 2001-11-18

Publication Date: 2003-08-20

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61B001742	A	A61	A61B	A61B0017	A61B001742
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: „322118,CN | | HE Shi-jin,Dongyang,Zhejiang,322118,CN | WANG

Publication Number:  **CN2714055Y**

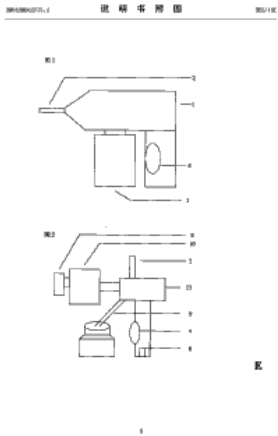
Title: | Portable sputum aspirator *(Translation from Clarivate Analytics)*

Abstract (English):

Portable sputum aspirator relates to medical appliance field, for aspirating a patient oral or respiratory tract sputum exudates, keeping respiratory tract smooth, avoid asphyxia, preventing pneumonia. wherein the shell is equipped with an integrated circuit board, a micro negative pressure sucking pump, a liquid crystal display screen, a radiating fin, an isolating cushion, reservoir, a buzzer and so on. the utility model overcomes deficiency of traditional large sputum volume, suction force is difficult to control, complicated operation, reasonable and novel design, convenient for family, hospital and research institutions to popularize and use.

(Translation from Clarivate Analytics)

Front Page Drawing:



Priority Number: CN200420002775U

Priority Date: 2004-01-15

Application Number: CN200420002775U

Application Date: 2004-01-15

Publication Date: 2005-08-03

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: ,,266042,CN | GAO Huan-min,Qingdao,Shandong,266042,CN

Publication Number:  **CN2643852Y**

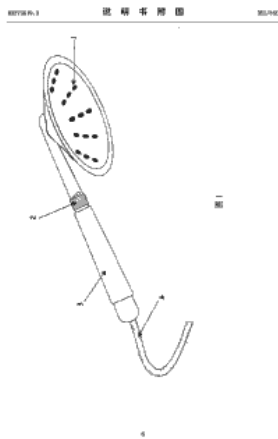
Title: | for oral negative pressure aspirator *(Translation from Clarivate Analytics)*

Abstract (English):

A negative pressure aspirator for oral cavity, comprising a suction and the suction pipe connected with the suction head, the suction head opposite to the oral cavity surface is provided with suction holes of several different directions. when working, the suction pipe is connected to suction device host or dental comprehensive treatment machine of the aspirator, for topical negative pressure laminar flow generated around the suction can be generated in the oral treatment of dust and aerosol can be adjusted according to the actual suction distance of the head direction; angle and force magnitude, and timely in the process of treating the treatment mist, dust and gas generated and avoids environment pollution caused by cross infection, at the same time, the utility model has more deformation structure, and can be applied to many kinds of different oral cavity diagnosis and treatment items.

(Translation from Clarivate Analytics)

Front Page Drawing:



Priority Number: CN2003273619U

Priority Date: 2003-08-18

Application Number: CN2003273619U

Application Date: 2003-08-18

Publication Date: 2004-09-29

IPC Class Table:

IPC	Section	Class	Subclass	Class Group	Subgroup
A61C001900	A	A61	A61C	A61C0019	A61C001900
A61M000100	A	A61	A61M	A61M0001	A61M000100

Assignee/Applicant: „518172,CN | | GAO Yong-bo,Shenzhen,Guangdong,518172,CN | WU Xi-feng

