

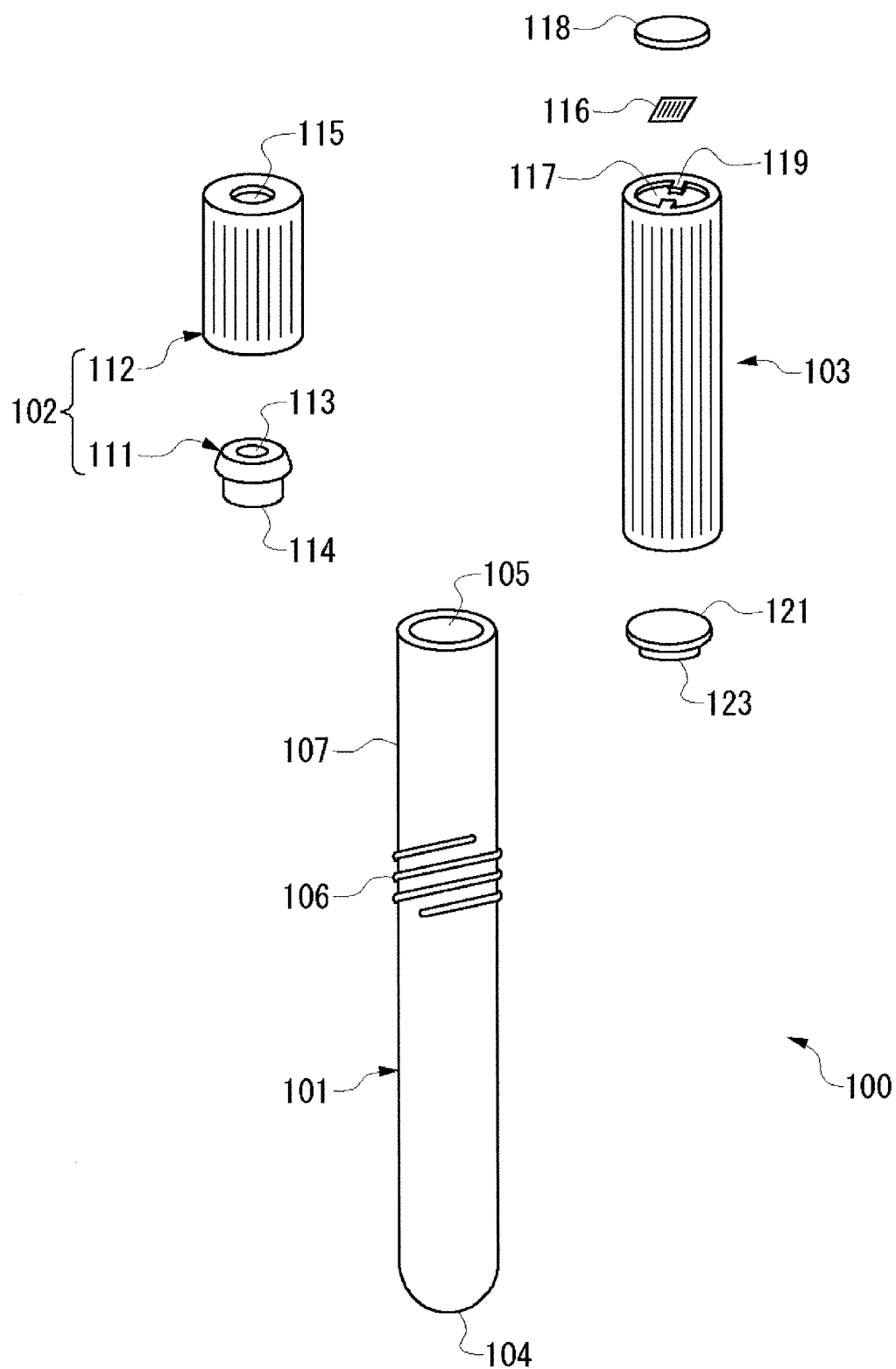
20 Documents

Publication numbers	Title	Current assignees
EP2111795 A1	Vacuum blood collection tube	KANEKA
EP-420013 A1	Means for the withdrawal of blood	SARSTEDT
US4722352 A	Blood extraction device	WALTER SARSTEDT KUNSTSTOFF SPRITZGUSSWERK 5223 NUEMBRECHT
CN1754506 A	Test tube for vacuum blood sampling and quick diagnosis	JIA YUDONG
EP1300114 A2	Evacuating device for a blood collection tube	SARSTEDT
CN209153711U U	Separation gel vacuum blood collection tube sealing device	FUZHOU CHANGGENG MEDICAL DEVICES
CN201290683U Y	Disposable test tube type device for taking blood sample	XU XIANFANG
EP1516585 A1	Non-evacuated blood collection tube	BECTON DICKINSON & COMPANY
CN2834415U Y	Vacuum blood sampling quick diagnosis test tube	JIA YUDONG
EP3111976 A1	Device for ejecting a hypodermic needle from a needle holder or syringe and corresponding blood sampling device	CLINICLAB
EP2716214 A1	Automatic preparation system for blood collection tube	TECHNO MEDICA
WO201419254 A1	Vacuum blood collection pipe capable of directly separating plasma and method thereof	SHANGHAI KEHUA DIAGNOSTIC MEDICAL PRODUCTS
EP--17728 A2	Blood letting instrument with blood sampling cannula and method of evacuating the cannula	GREINER & SÖHNE
FR2321303 A1	Blood sample extractor for patients liable to trauma - with collection of blood by controlled suction	CHARBONNIER MICHEL
CN108968981 A	Vacuum blood collecting tube	LIU ZHONGBIN
CN208447617U U	Clear test tube and serapheresis ware gathered of animal blood	YOU YINJUN
CN205041415U U	Clinical laboratory is with quantitative vacuum blood sampling device	WANG BAOCHEN
EP1684633 A2	Placental blood sampling device	PRAXCELL
CN204890008U U	Vacuum needle is collected to blood specimen	SHANG SHANSHAN
FR2357885 A1	Depressurised sample tube for extraction of blood - is made of transparent plastics material in standard configuration and is connected to needle	CHARVIN GUY

Family 1/20 - FAMPAT - ©Questel

Title

(EP2111795)

Vacuum blood collection tube**Images****Publication numbers with kind code & date**

EP2111795	A4	2017-12-27	EP2111795
US8530231	B2	2013-09-10	US8530231
US20100323437	A1	2010-12-23	US20100323437
EP2111795	A1	2009-10-28	EP2111795



JP4195504	B2	2008-10-03	JP4195504
JPWO2008078808	A1	2008-07-03	JP2008078808W
WO2008/078808	A1	2008-07-03	WO200878808



Abstract

(EP2111795)

A **vacuum blood** collection **tube** (100) comprises a bottomed **tube** (101) composed of a low temperature resistant material that is less susceptible to low temperature fracture when cryopreserved at ultra-low temperature, a stopper (102) having a needle piercing portion (113) composed of a rubber material that can be pierced with a **blood** collection needle (110), and a cryopreservation cap (103) composed of the low temperature resistant material. Before **blood** collection, the stopper (102) is attached to the bottomed **tube** (101) to maintain the reduced pressure state inside the bottomed **tube** (101). Thus, **blood** collection by a **vacuum blood** collection method is possible. After **blood** collection, the cryopreservation cap (103) is attached to the bottomed **tube** (101), so that the liquid tight state of the bottomed **tube** (101) is maintained, and cryopreservation at ultra-low temperature as it is is possible. Thus, the collected **blood sample** can be cryopreserved at ultra-low temperature as it is, without being transferred to another **blood** storage container, so that effort and burden on an operator can be significantly reduced.

Inventors

NAKAE HIROKI

UESAKA HARUKA

MINEKAWA ATSUHIKO

KURONO TAKESHI

Latest standardized assignees - inventors removed

KANEKA

Family 2/20 - FAMPAT - ©Questel

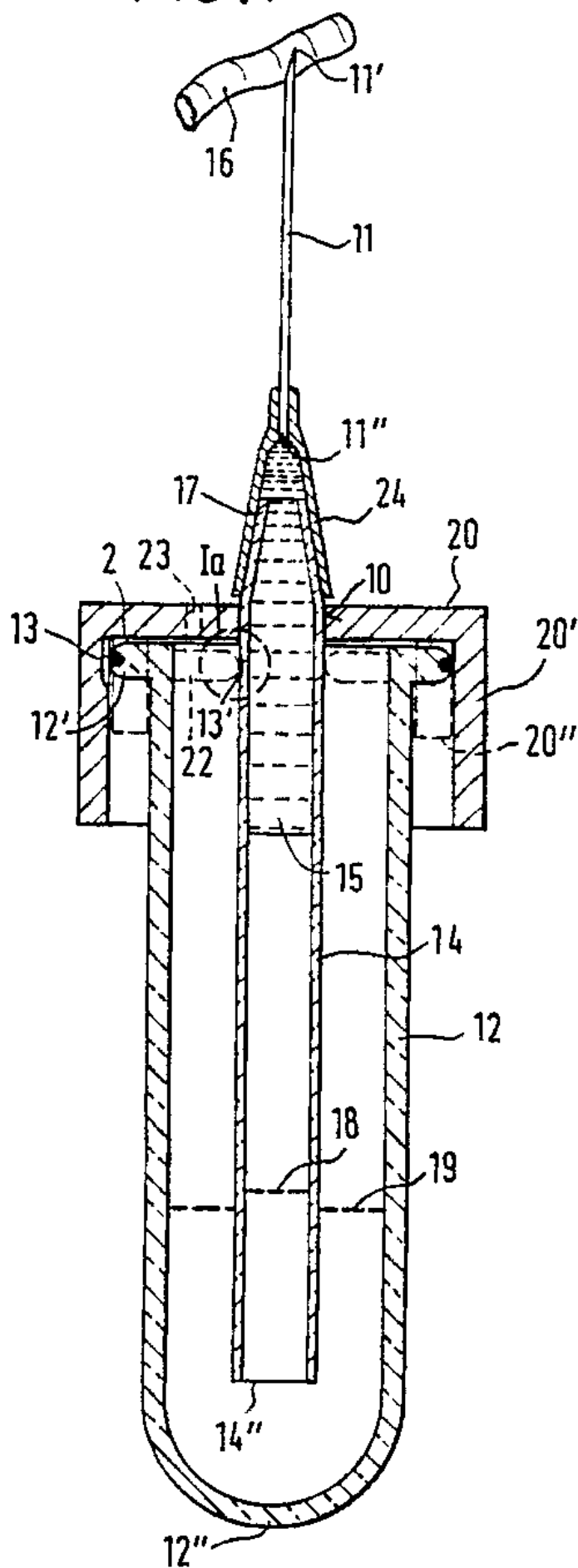
Title

(EP-420013)

Means for the withdrawal of **blood**

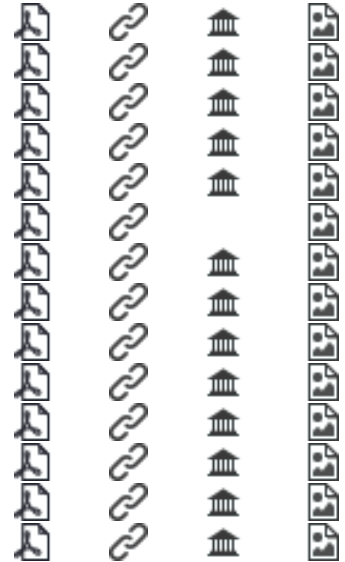
Images

FIG. 1



Publication numbers with kind code & date

CA2025976	C	2000-11-28	CA2025976
DE3932112	C2	1999-09-23	DE3932112
JP2740349	B2	1998-04-15	JP2740349
ES2095849	T3	1997-03-01	ES2095849
DE59010591	D1	1997-01-16	DE59010591
AT145806	T	1996-12-15	ATE145806
EP0420013	B1	1996-12-04	EP-420013
AU633975	B2	1993-02-11	AU-633975
US5165419	A	1992-11-24	US5165419
JP03178640	A	1991-08-02	JP03178640
AU6318890	A	1991-04-11	AU9063188
DE3932112	A1	1991-04-04	DE3932112
EP0420013	A1	1991-04-03	EP-420013
CA2025976	A1	1991-03-27	CA2025976

**Abstract**

(EP0420013)

A means for the withdrawal of **blood** comprises a cannula (11) which can be inserted via its front end (11<'>) into the vein of a patient and whose rear end (11<'>) is in flow communication with the inside of a test **tube** (12) which, at its rear end (12<'>), is hermetically sealed and, at its front end, is sealed except for an air vent (13, 13<'>). Adjoining the rear end (11<'>) of the cannula (11) is an inner **tube** (14) which extends into the inside of the test **tube** (12) and which is of such an internal cross-section and of such a length that the **blood** steadily rises in the inner **tube** (14) and the **blood** column (15) forced from the rear end (11<'>) of the cannula (11) into the inner **tube** (14) during **blood** sampling is not interrupted, regardless of the position of the test **tube** (12) relative to the direction of gravity, at least as long as the cannula (11) is inserted in the vein (16). ...<IMAGE>...

Inventors

SARSTEDT WALTER

Latest standardized assignees - inventors removed

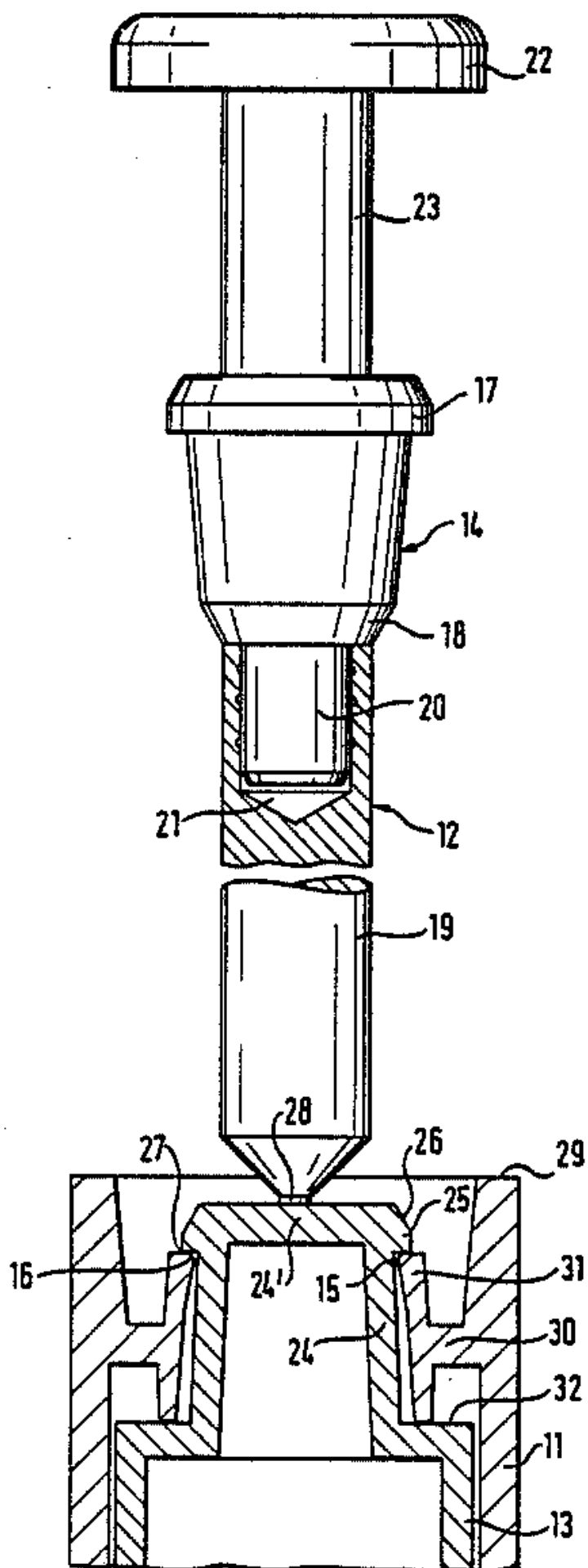
SARSTEDT

Family 3/20 - FAMPAT - ©Questel

Title

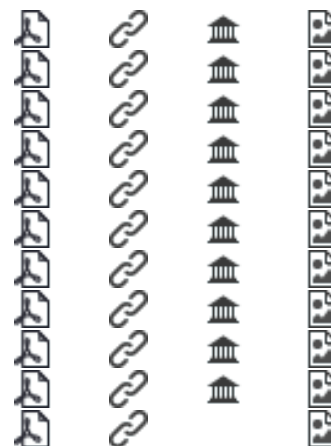
(US4722352)

Blood extraction device**Images**



Publication numbers with kind code & date

JP1849868	C	1994-06-21	JP1849868
JPH0566127	B2	1993-09-21	JP93066127
FR2554707	B1	1988-10-14	FR2554707
US4722352	A	1988-02-02	US4722352
GB2149669	B	1987-02-04	GB2149669
DE3341360	C2	1987-01-08	DE3341360
JPS60174134	A	1985-09-07	JP60174134
GB2149669	A	1985-06-19	GB2149669
DE3341360	A1	1985-05-23	DE3341360
FR2554707	A1	1985-05-17	FR2554707
GB8427845	D0	1984-12-12	GB8427845



Abstract

(US4722352)

A **blood extraction** device includes a **sample extraction tube** having an open rear end and a first sealing surface at the rear end. A piston assembly includes a piston removably housed within the **tube** for movement between a retracted position toward the rear end and an extended position. The piston assembly also includes a piston rod portion extending through the open rear end of the **tube**. The piston rod portion has a reduced diameter portion along a substantial part of its length and an enlarged portion which defines a second sealing surface for complementary mating engagement with the first sealing surface when the piston is at its extended position. The piston is locked in its fully retracted position by the engagement of a forwardly facing annular flange on the piston assembly and a rearwardly facing annular step of the **tube**. Preferably the piston assembly includes a frangible joint to permit at least a part of the piston rod portion to be separated from the piston after the piston is in the retracted position.

Inventors

SARSTEDT WALTER

Latest standardized assignees - inventors removed

WALTER SARSTEDT KUNSTSTOFF SPRITZGUSSWERK 5223 NUEMBRECHT

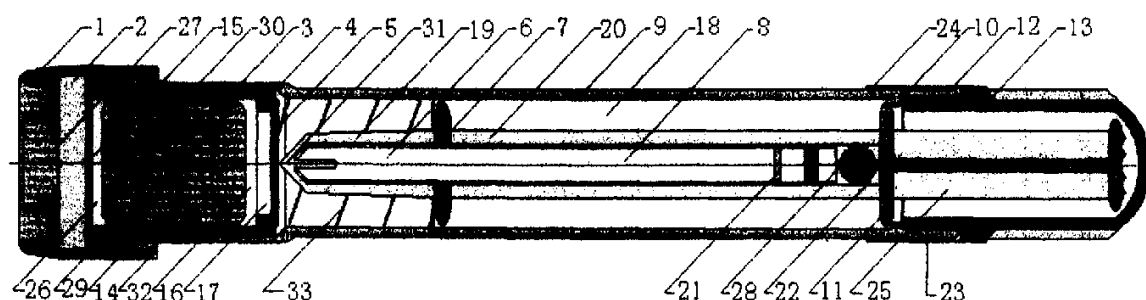
Family 4/20 - FAMPAT - ©Questel

Title

(CN1754506)

Test **tube** for **vacuum blood** sampling and quick diagnosis

Images



Publication numbers with kind code & date

CN1754506	A	2006-04-05	CN1754506
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Abstract

(CN1754506)

A test **tube** for **vacuum blood** sampling and rapid diagnosis, comprising: test **tube** (9), **vacuum blood** taking **tube** (30), elastic foam (3), seal membrane (15), seal membrane (5), seal membrane (2), protective cap (1), indicator paper shelf (20), indicator paper (8), spring (33), sealed cap (13) and sealed paper (24); the test **tube** (9) comprises **vacuum blood** taking room (16) and indicator paper storing room (18) which separated with each other by seal membrane (5); the **vacuum blood**

taking room (16) comprises the vacuum blood taking tube (30) and the seal membrane (15) and seal membrane (15) in the two sides; the indicator paper storing room (18) is equipped with the indicator paper shelf (20), the indicator paper (8) and the spring (33). The invention employs the sealed test tube to accomplish the whole course continuously of vacuum blood taking and indicator paper diagnosis under the full closed condition, which makes the diagnosis more simpler, safer and more rapid, and avoids the exposition of the blood sample, the sprinkle during operation and the medical infection. The invention can be used for rapid and mass sifting disease or infectious disease and for treating the waste in closed condition for environment protection.

Inventors

JIA YUDONG

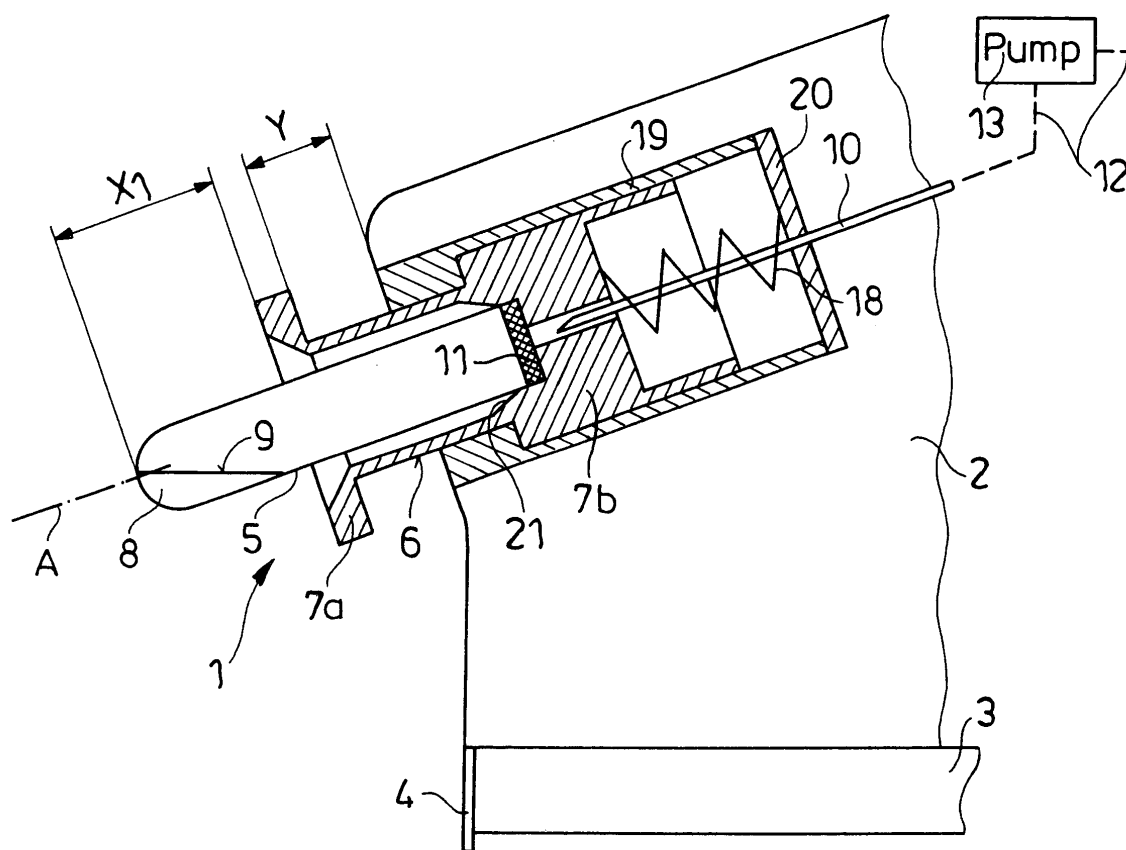
Family 5/20 - FAMPAT - ©Questel

Title

(EP1300114)

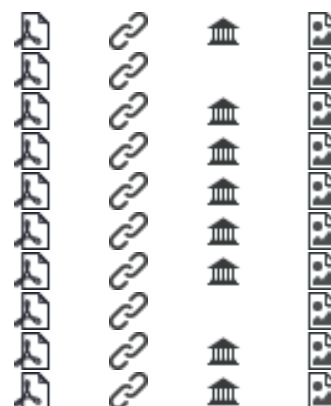
Evacuating device for a blood collection tube

Images



Publication numbers with kind code & date

CA2406601	C	2009-12-01	CA2406601
PL198244	B1	2008-06-30	PL-198244
AU2002301337	B2	2007-03-01	AU2002301337
CN1262240	C	2006-07-05	CN1262240C
ES2234966	T3	2005-07-01	ES2234966
DK1300114	T3	2005-03-21	DK1300114T
DE50201555	D1	2004-12-23	DE50201555
AT282360	T	2004-12-15	ATE282360
EP1300114	B1	2004-11-17	EP1300114
BR0204086	A	2004-08-03	BR200204086



US6672345	B2	2004-01-06	US6672345				
CN1426761	A	2003-07-02	CN1426761				
DE10149435	C1	2003-06-18	DE10149435				
EP1300114	A3	2003-05-28	EP1300114				
JP2003135436	A	2003-05-13	JP2003135436				
US20030069519	A1	2003-04-10	US20030069519				
EP1300114	A2	2003-04-09	EP1300114				
PL356360	A1	2003-04-07	PL2002356360				
CA2406601	A1	2003-04-06	CA2406601				
BRPI0204086	A1	2002-12-10	BR200204086				

Abstract

(EP1300114)

Apparatus, for evacuating **blood sample** tubes (5), comprises a casing (2) containing a **vacuum** pump (13) which is connected by a **tube** (12) to a needle (10). <??>Apparatus, for evacuating **blood sample** tubes (5), comprises a casing (2) containing a **vacuum** pump (13) which is connected by a **tube** (12) to a needle (10). <??>The **tube** is inserted into a recess in the apparatus and pushed upwards against the effect of a biasing spring (F) until the needle penetrates its sealing membrane (11) and it can be evacuated. At the end of evacuation the spring returns the **tube** to the starting position.

Inventors

SARSTEDT WALTER

Latest standardized assignees - inventors removed

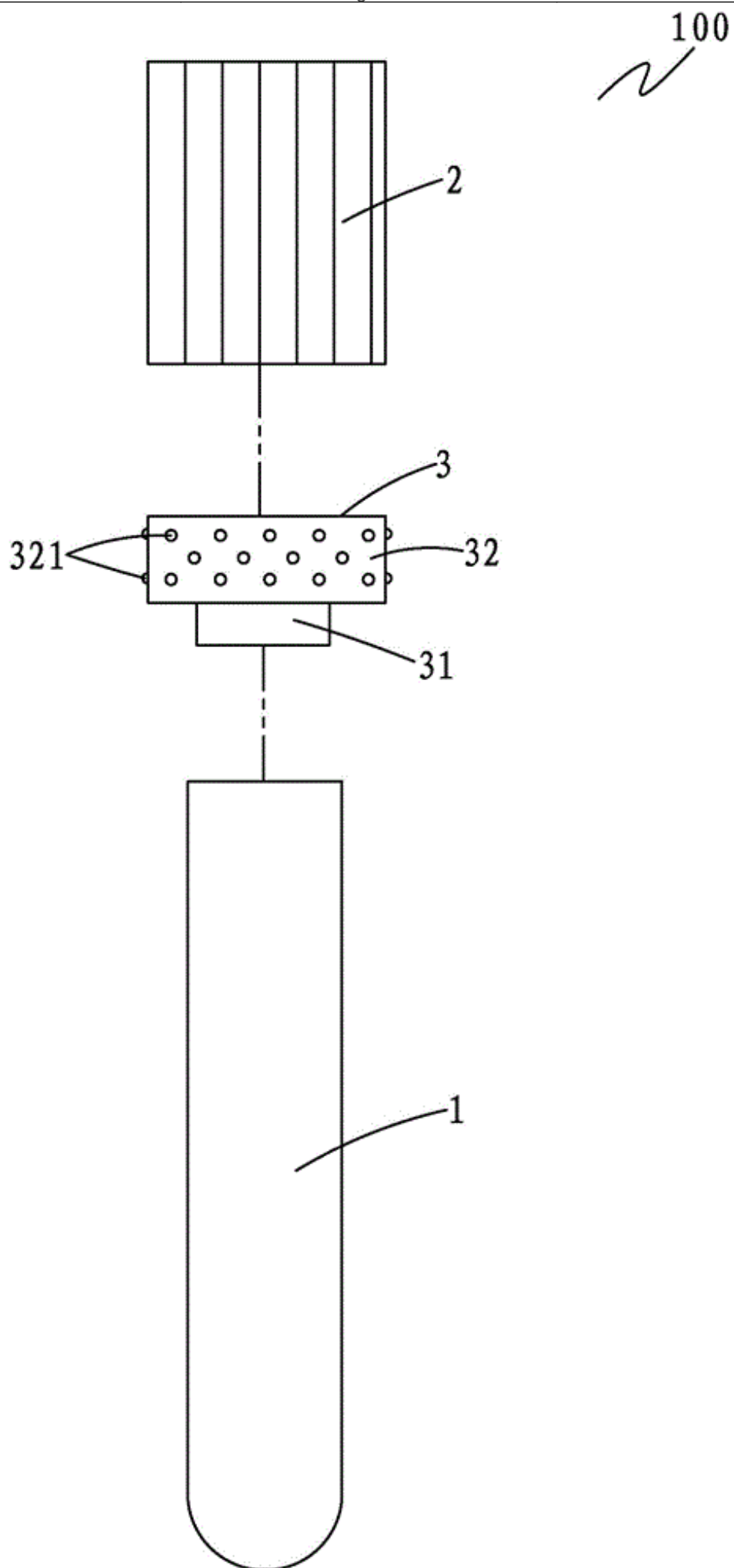
SARSTEDT

Family 6/20 - FAMPAT - ©Questel

Title

(CN209153711U)

Separation gel **vacuum blood** collection **tube** sealing device**Images**



Publication numbers with kind code & date

CN209153711

U

2019-07-26

CN209153711U

**Abstract**

(CN209153711)

The utility model provides a separation gel **vacuum blood** collection **tube** sealing device which comprises a **blood** collection **tube** body and a **tube** cap arranged at the open end of the **blood** collection **tube** body in a covering mode, and a rubber plug connected with the **blood** collection **tube** body in a blocking mode is arranged in the **tube** cap. The rubber plug comprises a **blood** collection **tube** plunger section and a **tube** cap plunger section which are integrally formed; wherein the **blood** collection **tube** plunger section is blocked on the **blood** collection **tube** body, and the **tube** cap plunger section is blocked on the **tube** cap; a **blood** collection **tube** sealing groove is formed in the end face, corresponding to one end of the **blood** collection **tube** body, of the **tube** cap plunger section, and the upper end of the **blood** collection **tube** body is inserted into the **blood** collection **tube** sealing groove. The **blood** collection **tube** has the advantages that the connection sealing performance between the rubber plug and the **blood** collection **tube** body can be well improved, and on one hand, the trouble that the **blood** collection effect cannot be achieved and re-extraction is needed due to vacuumizing failure can be effectively avoided; on the other hand, the preservation time of the **blood sample** and the accuracy of **blood sample** assay results can be improved.

Inventors

ZHONG DEYOU

SHEN YUJIAN

ZHANG YIQIANG

Latest standardized assignees - inventors removed

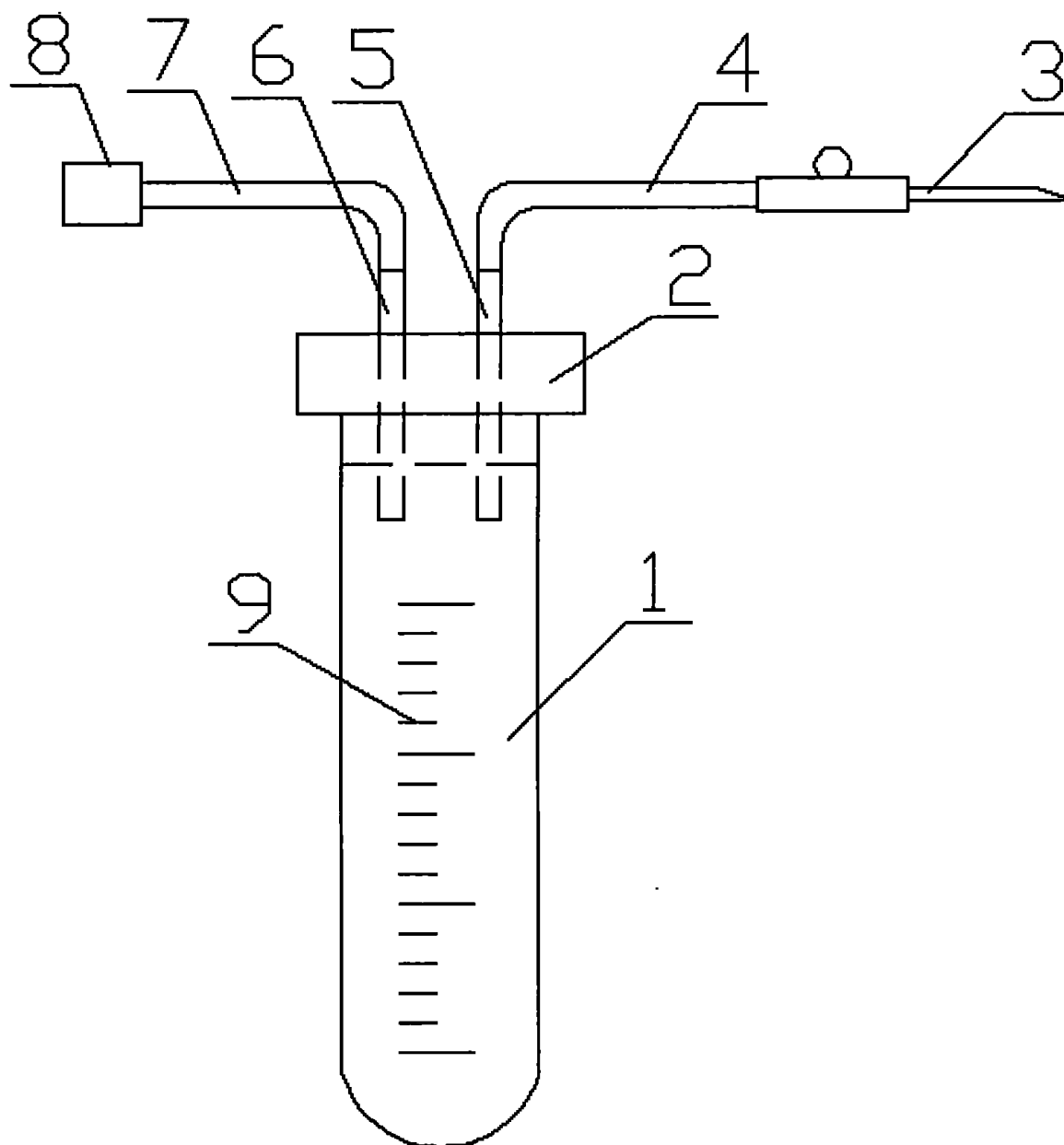
FUZHOU CHANGGENG MEDICAL DEVICES

Family 7/20 - FAMPAT - ©Questel

Title

(CN201290683U)

Disposable test **tube** type device for taking **blood sample****Images**



Publication numbers with kind code & date

CN201290683

Y

2009-08-19

CN201290683U



Abstract

(CN201290683)

The utility model relates to a one-off test **tube blood** sampler, which comprises a test **tube** and a sealing plug arranged at the upper end of the test **tube**; wherein, a liquid inlet pipe and an exhaust pipe are arranged on the sealing plug; the liquid inlet pipe is connected with a pinhead by a transfusion hose; the exhaust pipe is connected with an injector connector by an exhaust hose; and the outer wall of the test **tube** is provided with a graduation mark. The one-off test **tube blood** sampler has the excellent advantages of simple structure; when in use, the injector is connected with the injector connector; the pinhead is used for puncturing; after the puncturing is successful, the air in the test **tube** is pumped out by the injector and a subpressure generates in the test **tube**; the **blood** ceaselessly enters the test **tube** through the transfusion hose and the liquid inlet pipe; therefore, the one-off test **tube blood** sampler is conveniently used; the collected **blood** directly enters the test **tube**; a **blood sample** can not be polluted; and the graduation mark is arranged on the wall of the test **tube**, thus being more accurate and convenient to pump in or extract the **blood sample**.

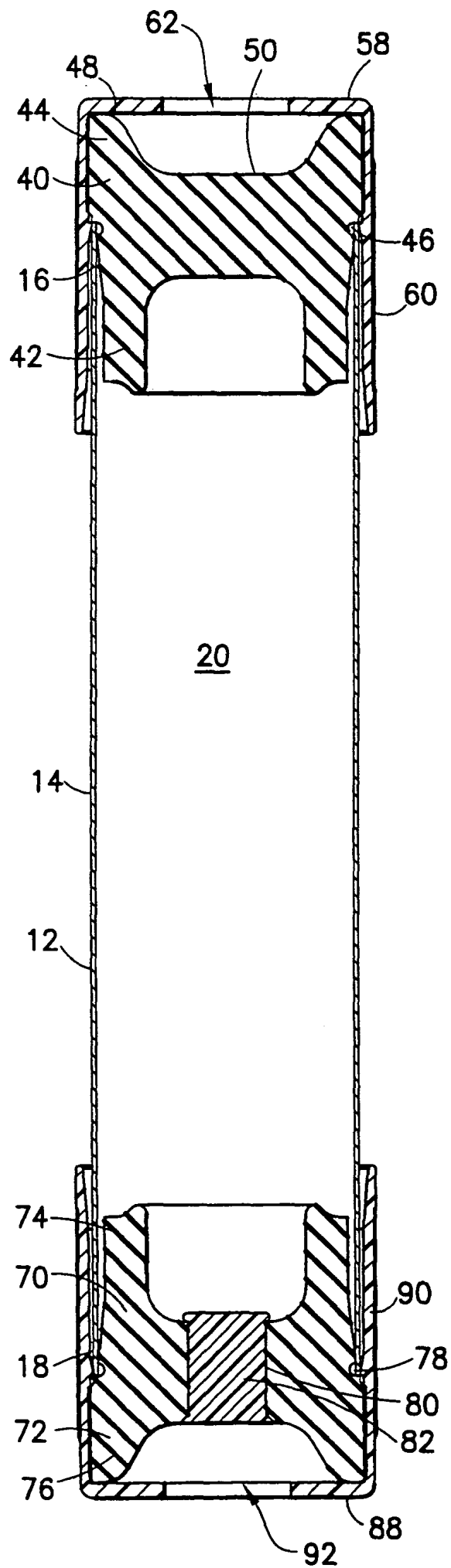
Inventors

XU XIANFANG

(EP1516585)

Non-evacuated **blood** collection **tube**

Images



Publication numbers with kind code & date

ES2388525	T3	2012-10-16	ES2388525
EP1516585	B1	2012-06-06	EP1516585
JP4737959	B2	2011-05-13	JP4737959
JP2005095621	A	2005-04-14	JP2005095621
US20050065454	A1	2005-03-24	US20050065454
EP1516585	A1	2005-03-23	EP1516585

**Abstract**

(EP1516585)

A specimen collection container for collecting a biological **sample** such as **blood** which includes a non-evacuated collection **tube** (12). The **tube** (12) includes a vent (82) which is adapted for displacement of air from within the interior chamber of the collection **tube** to the external environment during collection of a **blood sample** therein. Desirably, the vent (82) is air permeable and liquid impermeable, and seals upon contact with a liquid **sample** so as to become air impermeable.

<IMAGE>

Inventors

MANOUSSAKIS DIMITRIOS

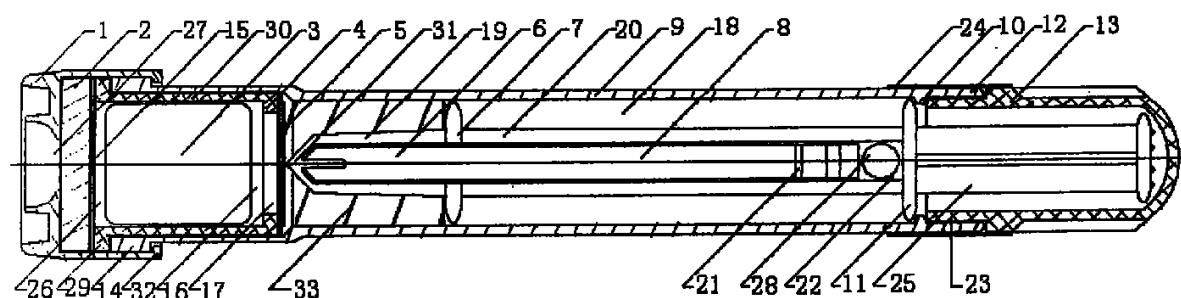
Latest standardized assignees - inventors removed

BECTON DICKINSON & COMPANY

Family 9/20 - FAMPAT - ©Questel

Title

(CN2834415U)

Vacuum blood sampling quick diagnosis test **tube****Images****Publication numbers with kind code & date**

CN2834415	Y	2006-11-08	CN2834415U
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**Abstract**

(CN2834415)

The utility model relates to a **vacuum blood** sampling quick diagnosis test **tube** which comprises a test **tube** (9), a **vacuum blood** sampling pipe (30), a flexible foam body (3), a sealing film (15), a sealing film (5), a rubber pad (2), a protecting cap (1), an indicator paper rack (20), indicator paper (8), a spring (33), a sealing cap (13) and sealing paper (24), wherein the test **tube** (9) comprises a **vacuum blood** sampling chamber (16) and an indicator paper storage chamber (18) which are mutually spaced by the sealing film (5); the **vacuum blood** sampling chamber (16) is formed by the seal of the **vacuum blood** sampling pipe (30), the sealing film (15) and the sealing film (5) at both ends; the indicator paper rack (20), the indicator paper (8) which is fixed on the indicator paper rack and the spring (33) are arranged in the indicator paper storage chamber (18). The utility model uses the sealed test **tube** to continuously complete the overall process of **vacuum blood** sampling and indicator paper diagnosis under the condition of complete seal, so that diagnosis is simple, safe and swift, and exposed **blood** sampling, **blood** spray by the moving operation and iatrogenic infection can be prevented. The utility model is used for largely and fast testing diseases or infectious diseases and treating waste in a seal and environmental protection mode.

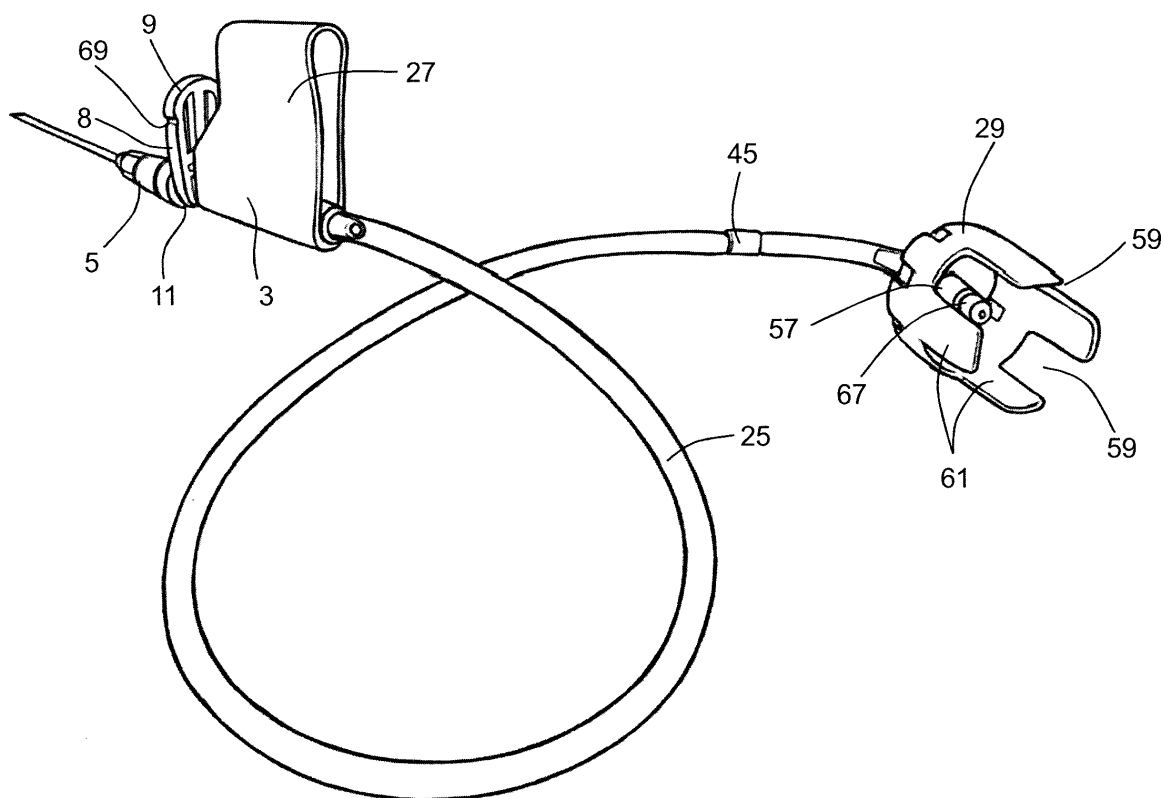
Inventors

JIA YUDONG

Family 10/20 - FAMPAT - ©Questel

Title

(EP3111976)

Device for ejecting a hypodermic needle from a needle holder or syringe and corresponding **blood** sampling device**Images****Publication numbers with kind code & date**

US20180184957	A1	2018-07-05	US20180184957
EP3318191	A1	2018-05-09	EP3318191
WO2017/001715	A1	2017-01-05	WO201701715
EP3111976	A1	2017-01-04	EP3111976

**Abstract**

(EP3111976)

The invention relates to a system for extracting **blood** from a patient. A **blood** sampling device comprises a needle holder or syringe (3) supporting a hypodermic needle (1). The needle holder or syringe comprises a lever (8), either separately attachable or integrally formed, the lever having a first end (9) for being moved with a finger such that when the first end is moved, the lever pivots and its second end (11) separates the needle from the needle holder or syringe, thereby providing an easy and safe way of ejecting a used needle from the sampling device for disposal.

Inventors

XALABARDER MIRAMANDA FERRAN

Latest standardized assignees - inventors removed

CLINICLAB

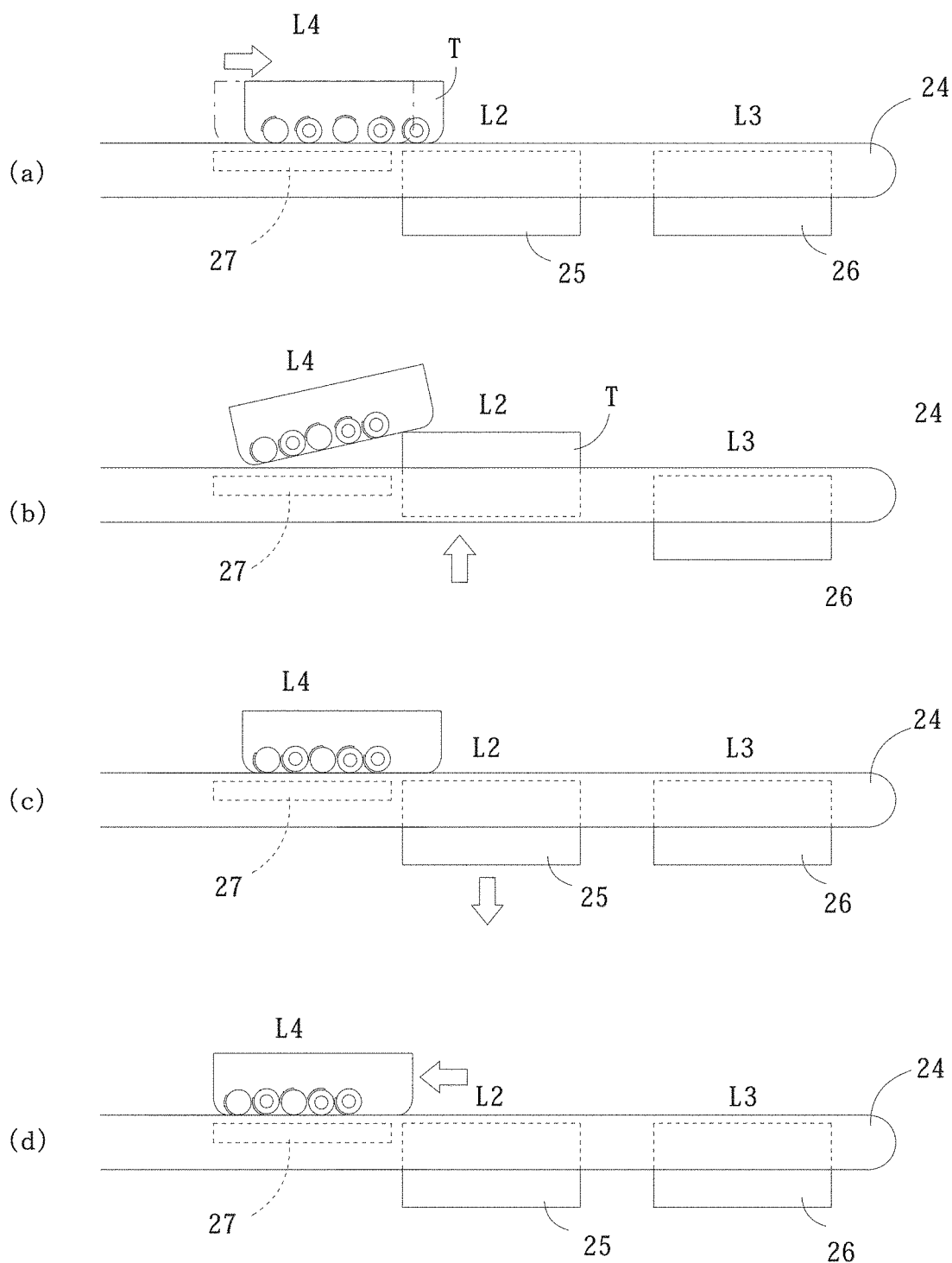
Family 11/20 - FAMPAT - ©Questel

Title

(EP2716214)

Automatic preparation system for **blood** collection **tube**

Images



Publication numbers with kind code & date

US9733157	B2	2017-08-15	US9733157
HK1195472	A1	2016-09-30	HK1195472
DK2716214	T3	2016-01-25	DK2716214T
ES2556120	T3	2016-01-13	ES2556120
JP5838526	B2	2015-11-20	JP5838526
EP2716214	B1	2015-11-04	EP2716214
CN103619252	B	2015-09-23	CN103619252B
EP2716214	A4	2015-01-07	EP2716214
KR20140071281	A	2014-06-11	KR20140071281
US20140133941	A1	2014-05-15	US20140133941



EP2716214	A1	2014-04-09	EP2716214
CN103619252	A	2014-03-05	CN103619252
JPWO2012157086	A1	2012-11-22	JP2012157086W
WO2012/157086	A1	2012-11-22	WO2012157086

**Abstract**

(EP2716214)

[Object] An object of the present invention is to provide an automatic **blood**-sampling **tube** preparation system which can reduce the reading mistake of the information of the RFID tags. [Means of Realizing the Object] An automatic **blood**-sampling **tube** preparation system according to the present invention being constituted so as to selectively take out a **blood**-sampling **tube** required to an examination of a patient according to a doctor's instruction information from the **blood**-sampling **tube** containing section, write the patient examination information on a RFID tag of the taken out **tube** on the basis of the instruction information, read simultaneously all patient examination information from the all RFID tags contained in the prepared container for every patient, compare the information read from the RFID tags with the instruction information. The automatic **blood**-sampling **tube** preparation system takes the prepared tray move so as to change the state of the RFID tags contained in the container and performs the reading process and comparing process.

Inventors

MATSUMOTO TOSHIKAZU

HIRASAWA YOSHIMI

NAKANO YASUSHI

WADA YUSUKE

NAKAMURA ICHIRO

Latest standardized assignees - inventors removed

TECHNO MEDICA

Family 12/20 - FAMPAT - ©Questel

Title

(WO201419254)

Vacuum blood collection pipe capable of directly separating plasma and method thereof**Images**

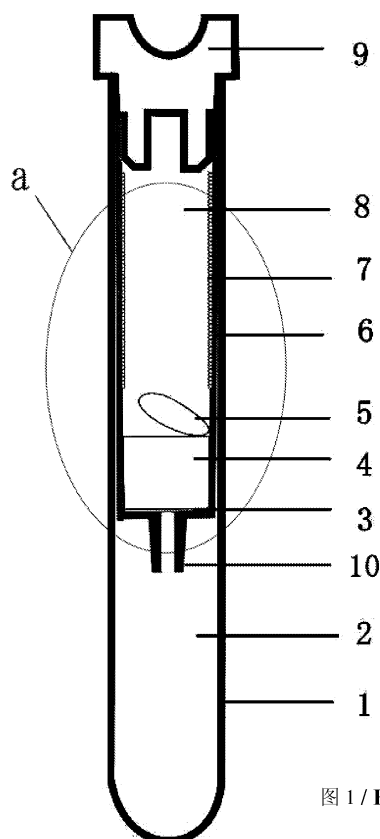
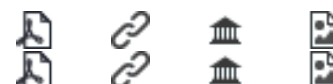


图 1 / Fig. 1

Publication numbers with kind code & date

WO2014/019254	A1	2014-02-06	WO201419254
WO2014/019255	A1	2014-02-06	WO201419255

**Abstract**

(WO2014/019254)

A **vacuum blood** collection pipe capable of directly separating plasma and a preparation method thereof. The **vacuum blood** collection pipe comprises a **blood** collection pipe body (1), a **blood** collection inner pipe (6), a rubber plug (9), and a filter element (4). The **blood** collection inner pipe (6) is disposed in the **blood** collection pipe body (1), and the rubber plug (9) is disposed at the top of the **blood** collection pipe body (1). The structure of the rubber plug (9) is similar to a plug shape. A semicircular groove is disposed in the center of the upper portion in the structure of the rubber plug (9). Left and right ends at the lower portion of the rubber plug (9) are embedded into the **blood** collection pipe body (1) and connected to the **blood** collection inner pipe (6). A plasma outlet (10) is disposed in the middle of the bottom of the **blood** collection inner pipe (6), and a lower portion of the plasma outlet (10) is a plasma collection chamber (2). A filtering film (3) is disposed at the upper portion of the plasma outlet (10) in the **blood** collection inner pipe (6). The filter element (4) is disposed at the upper portion of the filtering film (3). A buffer plate (5) is further disposed on the filter element (4). Therefore, a **blood** collection chamber (8) is formed in the **blood** collection inner pipe (6), and a layer of anticoagulants (7) is disposed on an inner wall of the **blood** collection inner pipe (6). According to the present invention, by using a difference between physical forms of a visible component and a plasma composite of **blood**, the plasma can be rapidly separated, having the features of simpleness and convenience, safety and rapidness.

Inventors

ZHU DEXIN

Latest standardized assignees - inventors removed

SHANGHAI KEHUA DIAGNOSTIC MEDICAL PRODUCTS

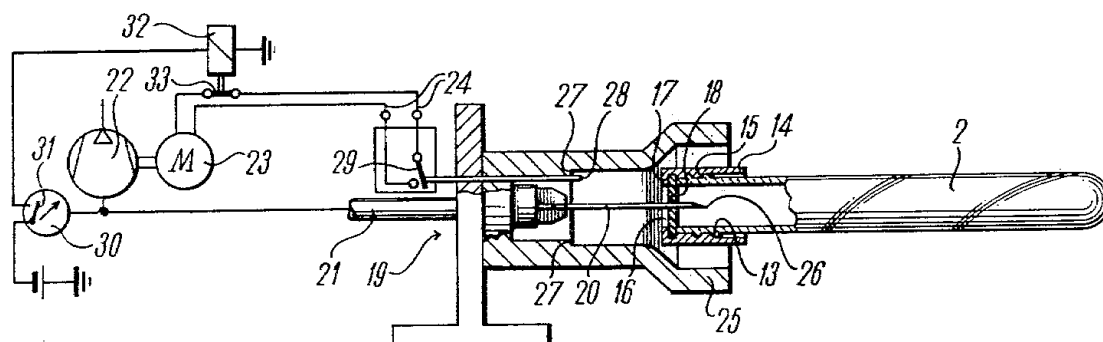
Family 13/20 - FAMPAT - ©Questel

Title

(EP--17728)

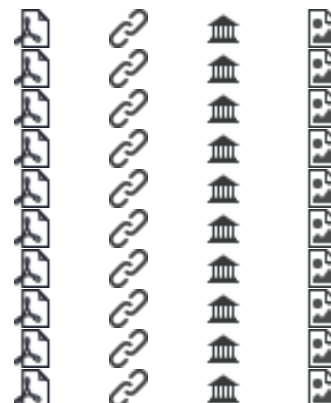
Blood letting instrument with **blood** sampling cannula and method of evacuating the cannula

Images



Publication numbers with kind code & date

EP0045863	A3	1982-05-26	EP--45863
US4327746	A	1982-05-04	US4327746
DE3029886	A1	1982-04-22	DE3029886
JPS5755155	A	1982-04-01	JP57055155
EP0045863	A2	1982-02-17	EP--45863
DE2946660	A1	1981-05-27	DE2946660
EP0017728	A3	1980-11-26	EP--17728
EP0017728	A2	1980-10-29	EP--17728
JPS55125849	A	1980-09-29	JP55125849
DE2908817	A1	1980-09-11	DE2908817



Abstract

(EP0017728)

Blood sampler has a double ended hollow needle at one end of a hollow handle. A sealed **blood tube** at the far end can be pushed in for piercing by the needle etc. The **tube** is closed by a screw cap whose opening is closed by a sealing membrane clamped to this at the rim for piercing by a needle, through a hole in the membrane. The cap has clips to hold the membrane and the needle is eccentric to the holder with the membrane hole leaving a shoulder as seal between **tube** and cap. The holder pref. has a second membrane piercing needle coupled by a line to a suction hand bulb at right angles to the holder. The **tube** is not evacuated when capped but only by the second needle when this is connected to suction. Evacuating is switch controlled and the line between bulb and needle contains a valve to break and re-make the link to the **tube** when the bulb is pressed and released, resp.

(From DE2946660 A1)

Inventors

FEASTER, WILLIAM WARDOCK

Latest standardized assignees - inventors removed

GREINER & SÖHNE

Family 14/20 - FAMPAT - ©Questel

Title

(FR2321303)

Blood sample extractor for patients liable to trauma - with collection of **blood** by controlled suction

Publication numbers with kind code & date

FR2321303 A1 1977-03-18 FR2321303



Abstract

(FR2321303)

Device for hygienic **extraction** of **blood** without risk of traumatism comprises means incorporated in the **extraction tube** allowing collection of the **blood** by controlled suction. Pref. the means for creating reduced pressure of a partial **vacuum** is obtained by progressive withdrawal of the **tube**, which allows flow of **blood** to be controlled. DETAILS The device comprises

a **tube** (1) in which is disposed anticoagulant (2), and a piston (3) through the centre of which extends over its whole length a passage (4) which receives a needle (5) at its end. The piston, which is longer than the **tube**, is introduced into the **tube** as far as the bottom, causing all the anticoagulant to amass in the bottom of the **tube**. After fitting the needle and introducing it into the vein, the piston end is held between thumb and index finger and the **tube** is pulled gently to create in the **tube** partial pressure which can be controlled.

Inventors

MACHAT RACHID

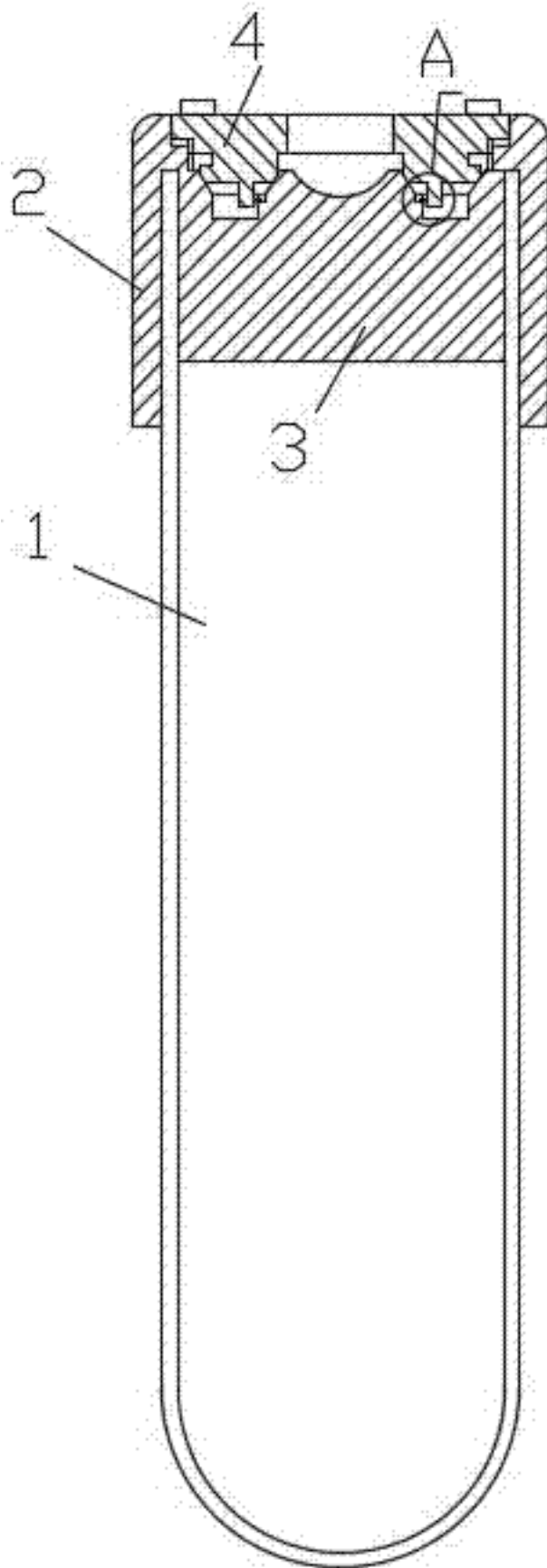
CHARBONNIER MICHEL

Family 15/20 - FAMPAT - ©Questel

Title

(CN108968981)

Vacuum blood collecting **tube****Images**

**Publication numbers with kind code & date**[CN108968981](#)

A 2018-12-11

CN108968981

**Abstract**

(CN108968981)

The invention discloses a **vacuum blood** collecting **tube**. The **blood** collecting **tube** comprises a test **tube**, a test **tube** cap, a test **tube** plug which is fixedly connected with the test **tube** cap and an inserting needle cavity which is formed in the top of the test **tube** plug; the test **tube** cap is provided with a squeezing device which is used for squeezing and sealing a **blood**

collecting needle inserted in the test tube plug. According to the vacuum blood collecting tube, the blood specimen extracting effect is good, primitive characteristics of obtained specimens can be maintained, and the maintaining time is prolonged.

Inventors

LIU ZHONGBIN

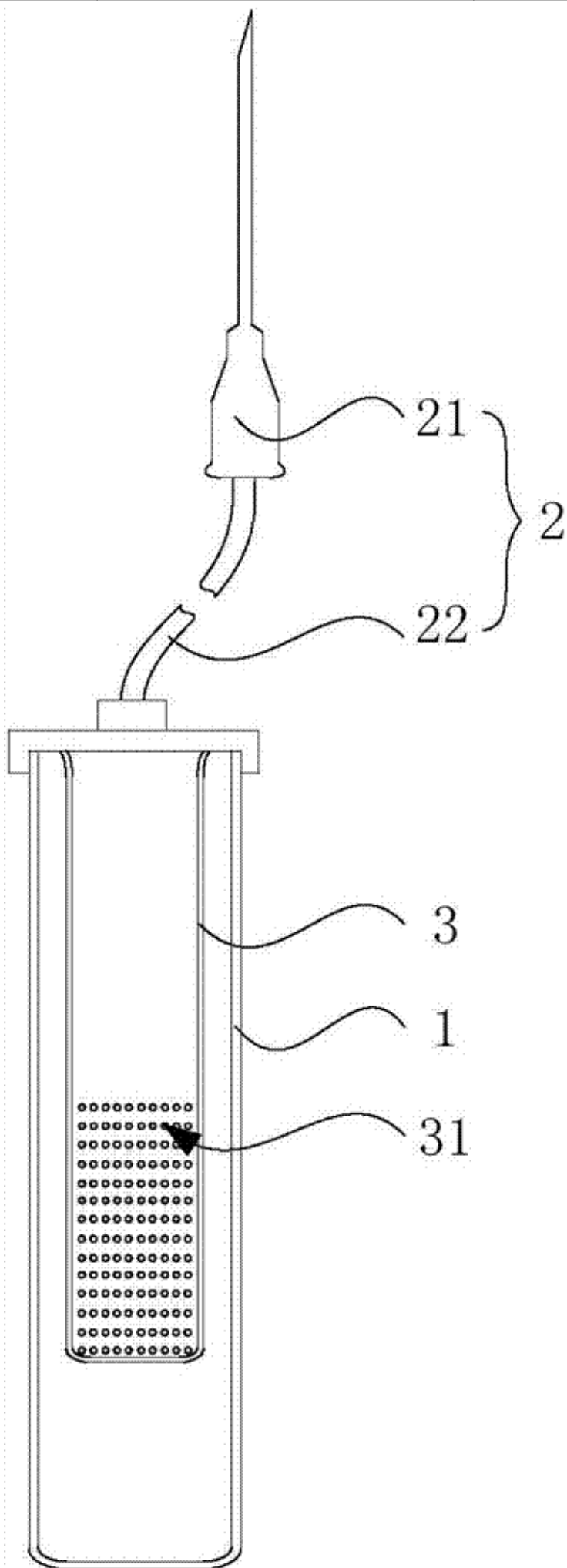
Family 16/20 - FAMPAT - ©Questel

Title

(CN208447617U)

Clear test tube and serapheresis ware gathered of animal blood

Images



Publication numbers with kind code & date

CN208447617

U

2019-02-01

CN208447617U

**Abstract**

(CN208447617)

The utility model provides a clear test tube and serapherisis were gathered of animal blood relates to the clear technical field that gathers of animal blood, the utility model provides a clear test tube of gathering of animal blood includes vacuum collection pipe, needle assembly and filter tube, wherein: needle assembly locates the opening part that nose portion was gathered in the vacuum, and gathers to manage to dismantle with the vacuum and be connected, it is intraductal that the vacuum collection is located to the filter tube, and the import of the blood of filter tube is connected with needle assembly to receive the blood that needle assembly drew forth, be equipped with the micropore that is used for serum to pass through on the filter tube. The clear test tube of gathering of this animal blood need not to carry out the secondary transfer to the serum sample when gathering the serum sample, has simplified collection, the testing process of serum sample, can reduce the probability that the serum sample received the pollution simultaneously.

Inventors

YOU YINJUN

MENG BINGCHAO

ZHAO FUQIONG

DONG BAOYU

YANG DENGYONG

CHEN QIQING

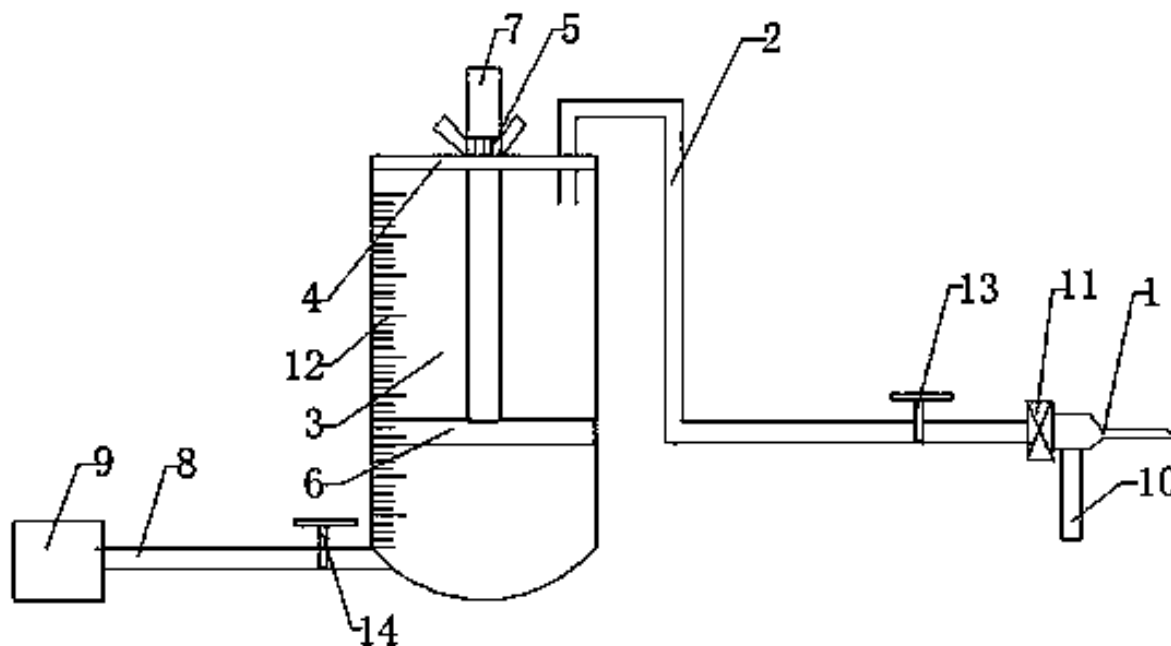
XIAO DEFU

Family 17/20 - FAMPAT - ©Questel

Title

(CN205041415U)

Clinical laboratory is with quantitative vacuum blood sampling device

Images**Publication numbers with kind code & date**

CN205041415

U

2016-02-24

CN205041415U

**Abstract**

(CN205041415)

The utility model discloses a clinical laboratory is with quantitative vacuum blood sampling device, including blood sampling syringe needle, hose, test tube and vacuum draw-out device, blood sampling syringe needle coupling hose's one end, the

other end of hose lets in the in vitro, the open end of test tube is provided with the sealing plug, be provided with the nut on the sealing plug, the in vitro is provided with the piston, the middle part of piston is connected with the one end of screw rod, the other end of screw rod passes sealing plug and threaded connection nut, the in vitro still lets in the one end of blast pipe, the vacuum draw-out device is connected to the other end of blast pipe. The utility model discloses simple structure, reasonable in design, convenient operation, carry out vacuum operation during the blood sampling, can effectively guarantee the liquid of taking a blood sample not by the oxidation, guaranteed the accuracy nature of check data, through the regulating piston, can quantitative extraction blood, labour saving and time saving has alleviated medical staff's burden.

Inventors

WANG BAOCHEN

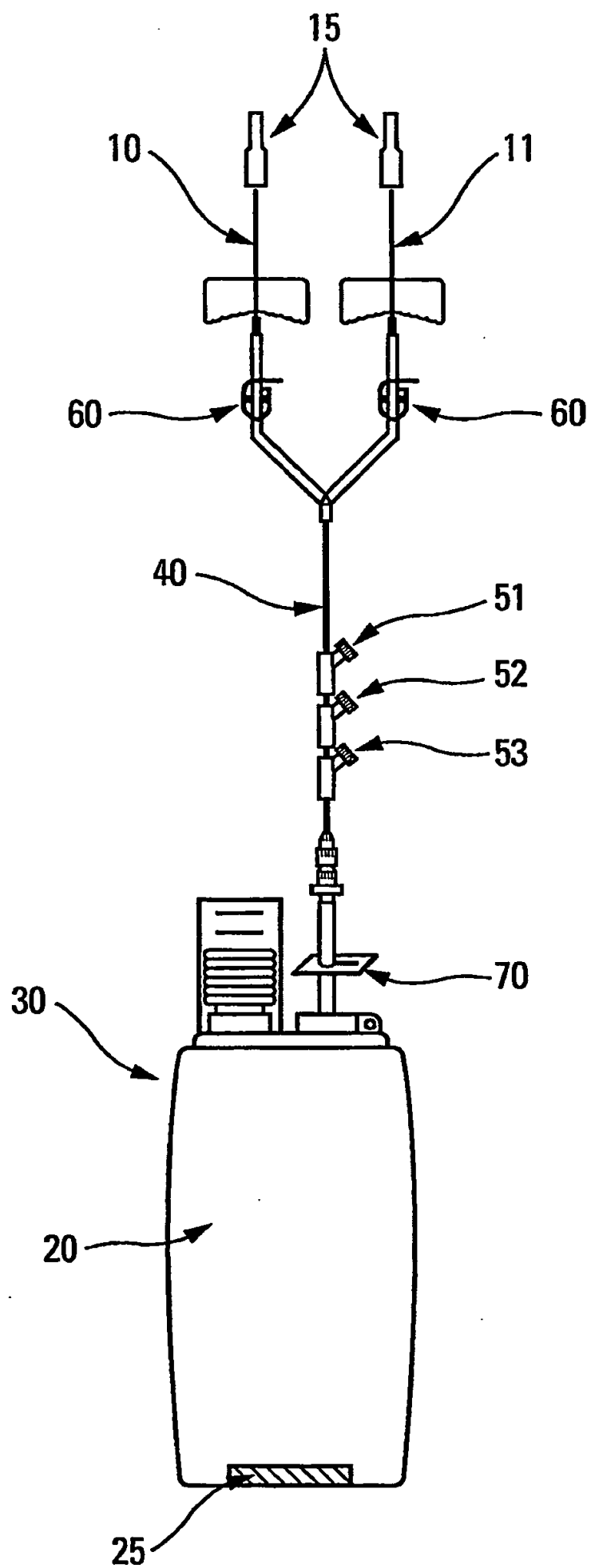
Family 18/20 - FAMPAT - ©Questel

Title

(EP1684633)

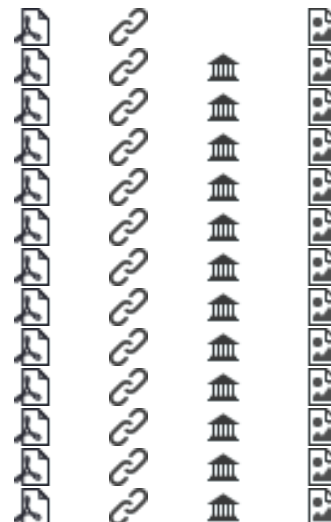
Placental blood sampling device

Images



Publication numbers with kind code & date

RU2006118336	A	2007-12-10	RU2006118336
IN2358/DELNP/2006	A	2007-08-03	IN2006DN02358
FR2861282	B1	2007-07-06	FR2861282
US20070112280	A1	2007-05-17	US20070112280
JP2007509675	A	2007-04-19	JP2007509675
BRPI0415889	A	2007-01-09	BR200415889
CN1886092	A	2006-12-27	CN1886092
EP1684633	A2	2006-08-02	EP1684633
WO2005/041772	A3	2005-07-07	WO200541772
AU2004285322	A1	2005-05-12	AU2004285322
CA2543702	A1	2005-05-12	CA2543702
WO2005/041772	A2	2005-05-12	WO200541772
FR2861282	A1	2005-04-29	FR2861282

**Abstract**

(EP1684633)

The invention concerns a placental **blood** sampling device comprising at least one sampling needle (10, 11) for perforating the vein of the umbilical cord and/or of the placenta vein, as well as a collecting reservoir (20) connected to said at least one needle (10, 11) via at least one conduit (40), the device including suction means (30) connected to said at least one needle (10, 11) and adapted to draw out placental **blood** to supply it to said collecting reservoir (20), said suction means (30) including a Redon type **vacuum** jar (20), forming simultaneously a collecting reservoir.

Inventors

RICHARD PATRICE

Latest standardized assignees - inventors removed

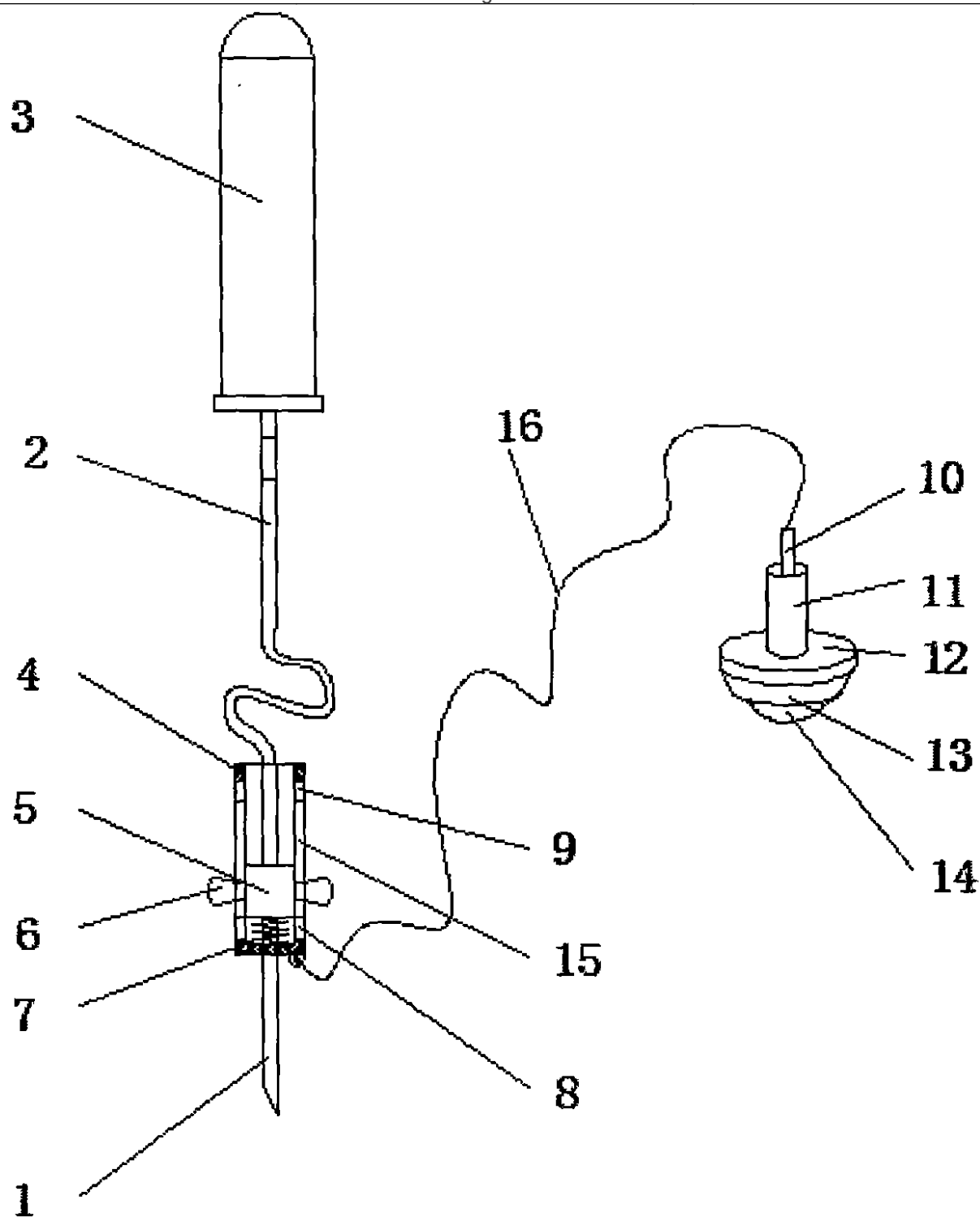
PRAXCELL

Family 19/20 - FAMPAT - ©Questel

Title

(CN204890008U)

Vacuum needle is collected to **blood** specimen**Images**



Publication numbers with kind code & date

CN204890008

U

2015-12-23

CN204890008U



Abstract

(CN204890008)

The utility model provides a **vacuum** needle is collected to **blood** specimen, includes syringe needle, needle file, pipe, suit sleeve and the **vacuum** test **tube** outside the needle file, the needle file is whole to be cylindric, and the needle file bilateral symmetry is provided with the needle handle, and the needle file rear end is connected with the pipe, and the **vacuum** test **tube** is connected to the other end of pipe, the terminal of syringe needle sets up at the needle file front end, and communicates with the pipe, the sleeve is the cylinder, and the needle file slides and sets up in the sleeve, and the sleeve front end is provided with the through -hole that supplies the syringe needle to pass, the symmetrical cell body that is provided with the holding needle handle on the wall of telescopic both sides, the cell body include along the telescopic axle to the spout that extends with set up the first draw -in groove at the anterior lower extreme of spout, first draw -in groove is connected with the spout is anterior through the first spread groove that extends along sleeve circumference, lie in to

overlap on the syringe needle between sleeve front end and the needle file to be equipped with compression spring, the sleeve outer wall is connected with according to overlaying through the fine rule, the utility model discloses simple structure, convenient to use, the security performance is high, effectively avoids addiction spot or skin swelling to appear.

Inventors

SHANG SHANSHAN

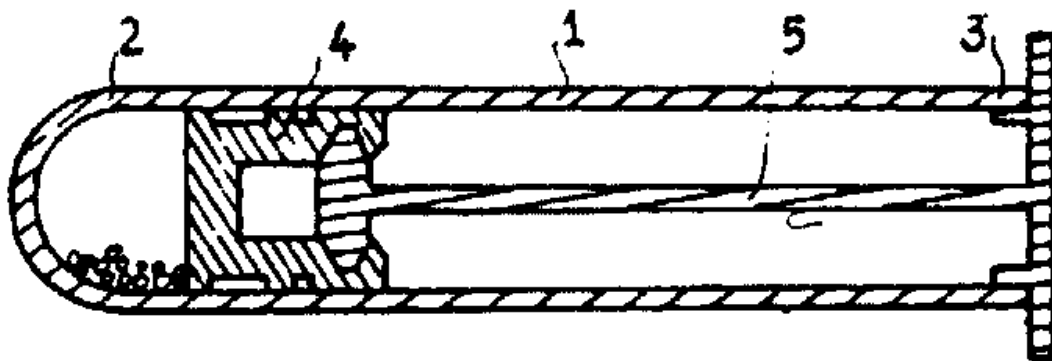
Family 20/20 - FAMPAT - ©Questel

Title

(FR2357885)

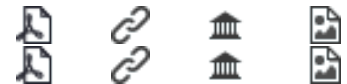
Depressurised **sample tube** for **extraction** of **blood** - is made of transparent plastics material in standard configuration and is connected to needle

Images



Publication numbers with kind code & date

FR2357885	B1	1980-10-03	FR2357885
FR2357885	A1	1978-02-03	FR2357885



Abstract

(FR2357885)

Blood samples are extracted from a patient by using a depressurised **tube** and hollow needle. The **tube** has a standard configuration and is of transparent plastic material. One or more chemical or biological substances can be kept in the **tube** prior to use. A **tube** (1) has a sealing joint (4) which acts as a piston which is located at the bottom of the **tube** during storage and is withdrawn by a shaft (5) for use thus creating depressurisation in the **tube**. A hollow needle (29) in the shaft end pierces the sealing joint as an intravenous needle (31) enters a vein (17) when the **tube** is pushed towards the vein.

Latest standardized assignees - inventors removed

CHARVIN GUY