

Diego Gonzalez

1) Family number: 15019653 (US5165419A)

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Title: BLOOD EXTRACTION DEVICE

Abstract: A blood extraction device has a cannula (11) the front end of which can be stuck into the vein of a patient and the rear end (11'') of which stands in flow communication with the interior of a sample tubule (12) which is hermetically closed at its rear end (12'') and is closed at its front end, apart from an air vent (13, 13'). An inner tube (14) extending into the interior of the sample tubule (12) sealingly adjoins the rear end (11') of the cannula (11) and has an internal cross-section such that during the taking of blood a continuous blood column (15) is pressed from the rear end (11'') of the cannula (11) into the internal tube (14) and does not break away in any position of the sample tubule (12) relative to the direction of gravity, i.e. even when the tubule is arranged beneath the cannula (12), at least so long as the cannula (11) is inserted in the vein (16).

Classifications:

International (IPC 8-9): A61B5/15 A61B5/153

A61M5/178 (Advanced/Invention);

A61B5/15 (Core/Invention)

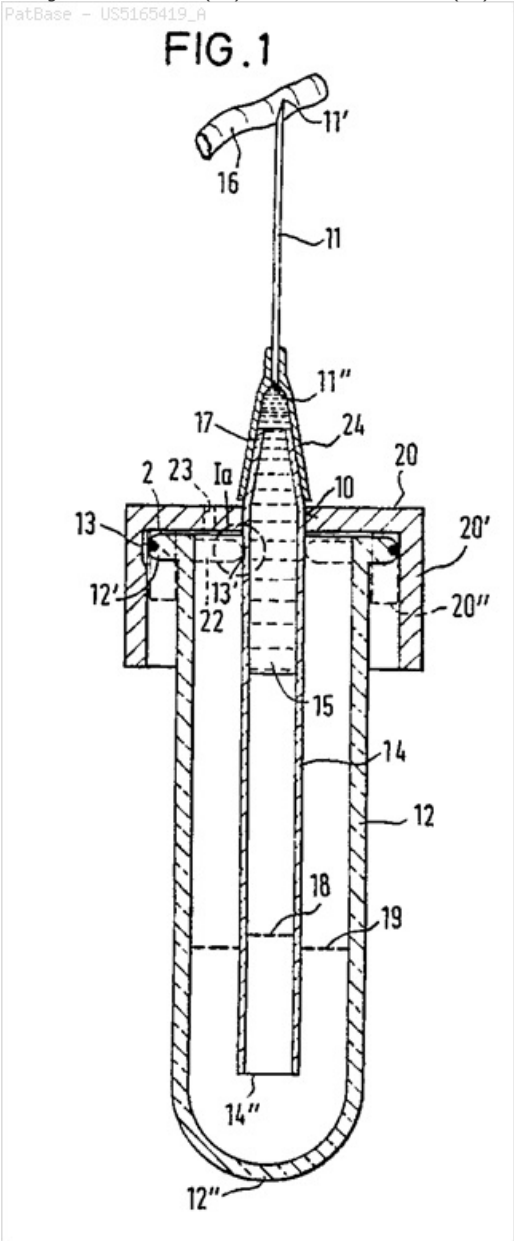
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CPC: A61B5/15003 A61B5/150213 A61B5/150236 A61B5/150351

A61B5/150389 A61B5/150519 A61B5/153

European: A61B5/14B

US: 128/760 128/763 600/573 600/576



Family:

Publication number	Publication date	Application number	Application date
AT145806 E	19961215	AT19900117952T	19900918
AU199063188 A1	19910411	AU19900063188	19900925
AU633975 B2	19930211	AU19900063188	19900925
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DE3932112 A1	19910404	DE19893932112	19890926
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DE59010591 D1	19970116	DE19905010591	19900918

EP0420013 A1	19910403	EP19900117952	19900918
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ES2095849 T3	19970301	ES19900117952T	19900918
JP2740349 B2	19980415	JP19900256802	19900926
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US5165419 A	19921124	US19900587182	19900924

Priority:

DE19893932112 19890926 DE19905010591 19900918 CA19902025976 19900921
CA19902025976 19900921

Probable Assignee: SARSTEDT W

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Assignee(s): WALTER SARSTEDT GERAETE U ; WALTER SARSTEDT GERAETE U VERBRAUCHSMATERIAL FUR M ; WALTER SARSTEDT GERAETE U VERBRAUCHSMATERIAL F MEDIZIN U WISSENSCHAFT 5223 NUEMBRECHT DE ; WALTER SARSTEDT GERAETE U VERBRAUCHSMATERIAL F MEDIZIN U WISSENSCHAFT ; WALTER SARSTEDT GERAETE UND VERBRAUCHSMATERIAL FUE ; WALTER SARSTEDT GERAETE UND VERBRAUCHSMATERIAL FUER MEDIZIN UND WISSENSCHAFT ; WALTER SARSTEDT GERAETE UND VERBRAUCHSMATERIAL FUER MEDIZIN UND WISSENSCHAFT 5223 NUEMBRECHT DE ; WALTER SARSTEDT GERAETE UND VERBRAUCHSMATERIAL FUER MEDIZIN UND WISSENSCHAFT 51588 NUEMBRECHT DE ; WALTER SARSTEDT GERATE UND VERBRAUCHSMATERIAL FUR MEDIZIN UND WISSENSCHAFT ; WALTER SARSTEDT GERAETE U VERBRAUCHSMATERIAL FUR MEDIZIN U WISSENSCHAFT ; WALTER SARSTEDT GERATE U VERBRAUCHSMATERIAL FUR MEDIZIN U WISSENSCHAFT

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Agent(s): GRIFFITH HACK; G RONALD BELL AND ASSOCIATES

Designated states: AT BE CH DE ES FR GB IT LI LU NL SE

2) Family number: 30064523 (US2003205538A)

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Title: METHODS AND APPARATUS FOR ISOLATING PLATELETS FROM BLOOD

Abstract: A platelet collection device comprising a centrifugal spin-separator container with a cavity having a longitudinal inner surface. A float in the cavity has a base, a platelet collection surface above the base, an outer surface. The float density is below the density of erythrocytes and above the density of plasma. The platelet collection surface has a position on the float which places it below the level of platelets when the float is suspended in separated blood. During centrifugation, a layer of platelets or buffy coat collects closely adjacent the platelet collection surface. Platelets are then removed from the platelet collection surface. Movement of a float having a density greater than whole blood through the sedimenting erythrocytes releases entrapped platelets, increasing the platelet yield.

Classifications:

International (IPC 8-9): A61B17/00 A61B19/00 A61B5/153 A61J1/05

A61K35/12 A61K35/14 A61K35/17 A61K35/19 A61K35/24
A61K35/28 A61K35/30 A61M1/00 A61M1/02 A61M1/36 A61M37/00
A61M5/142 A61P17/02 A61P41/00 A61P7/08 B01D15/02 B01D17/02
B01D17/038 B01D17/12 B01D21/00 B01D21/24 B01D21/26
B01D21/30 B01D24/00 B01D29/00 B01D33/27 B01D35/05
B01D37/00 B01D43/00 B01D45/12 B01F15/02 B01F7/16 B01F7/18
B01L11/00 B01L3/00 B01L3/14 B01L9/00 B01L99/00 B04B1/02
B04B1/04 B04B1/06 B04B3/00 B04B3/02 B04B5/02 B04B5/04
B04B7/12 C02F1/38 C12N5/078 G01N1/40
G01N33/49 (Advanced/Invention);

A61K35/00 A61M1/36 B01L9/00 B01L99/00 B04B1/00 B04B7/00
C12N5/078 G01N33/483 G01N33/49 (Advanced/Non-invention);
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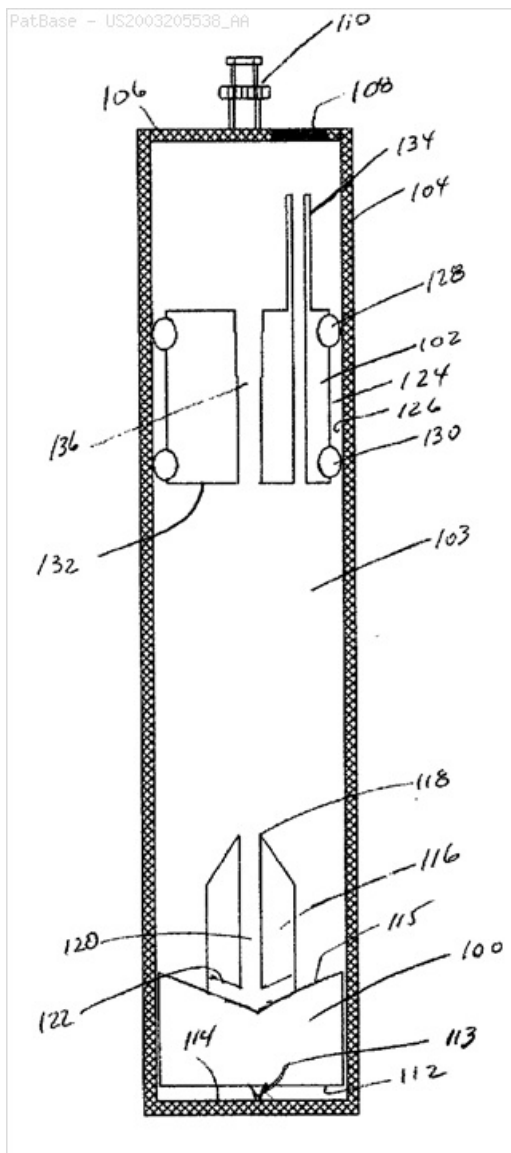
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Y10T436/255 B01J20/28047 B01D15/02 B01J2220/64 B01J2220/68
B01L3/5635 G01N1/40 G01N1/405 A61M2202/0415 A61K35/00
B01D21/0012 B01L2400/0633 G01N33/49 A61M1/0204 A61M1/3679
B01D17/0217 B01D21/003 B01D21/262 B01D21/307 B01D2221/10
A61M1/029 A61M1/3693 A61M2202/0427 A61K35/14 A61K35/28
B01L2300/0681 B01L2400/0605 G01N33/491 B01L1/52 B01L3/502
B01L3/5021 B01L3/50215 B01L2200/026 B01L2400/0409
B01L2400/0478 B01L9/54

European: A61M1/02 A61M1/02E A61M1/02K A61M1/36P
A61M1/36Z B01D15/02 B01D17/02H B01D21/00F B01D21/00M
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S01N1/40P S01N33/49

US: 1/1 128/898 210/109 210/120 210/120S 210/121 210/219
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210/360.1 210/360.100S 210/361 210/369 210/369S 210/380.1
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 604/27 604/27S 604/403 604/403S 604/522 604/6.01 604/6.04
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 604/82S



Family:

Publication number	Publication date	Application number	Application date
AT364446 E	20070715	AT20030741767T	20030424
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EP3031525 A1	20160615	EP20150201165	20070524
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Inventor(s): JOEL HIGGINS ; JENNIFER E WOODDELL MAY ; MICHAEL LEACH ; HIGGINS JOEL C CLAYPOOL ; HECKER BARRY F PIERCETON ; SWIFT MATTHEW FORT WAYNE ; GORDON NATHAN VALPARAISO ; HECKER BARRY ; WOODDELL MAY JENNIFER ; DORIAN RANDEL SAN DIEGO ; LEACH MICHAEL D WARSAW ; STORRS RICHARD WOOD BERKELEY ; RICHARD WOOD STORRS ; SCOTT KING

Agent(s): SPRUSON AND FERGUSON; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; DENNISON ASSOCIATES; LEINWEBER AND ZIMMERMANN; VENNER SHIPLEY LLP; ARMITAGE IAN MICHAEL; GILES ASHLEY SIMON; MAYS JULIE; RICKMAN GEMMA CLAIRE; COWLEY CATHERINE MARY; PULIERI GIANLUCA ANTONIO; HEARE TANYA; PONTI ADELAIDA; SOGA MICHIHARU; HARNESS DICKEY AND PIERCE PLC; WILLIAM B WALKER; HARNESS DICKEY AND PIERCE (BIOMET); HARNESS DICKEY AND PIERCE BIOMET; WALKER WILLIAM B; WILLIAM B; HARNESS DICKEY; SCHWEGMAN LUNDBERG AND WOESSNER PA; WARNER RICHARD W ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

3) Family number: 28636751 (US2003113890A)

© PatBase

Title: NEMATODE-EXTRACTED SERINE PROTEASE INHIBITORS AND ANTICOAGULANT PROTEINS

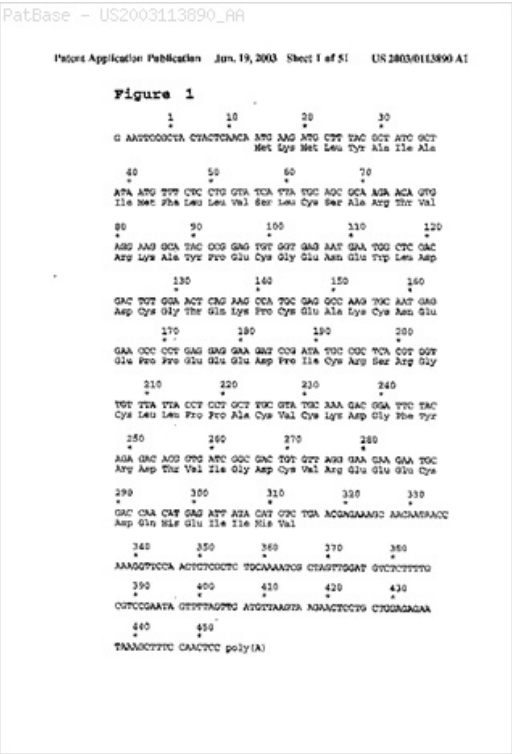
Abstract: Proteins which have activity as anticoagulants and/or serine protease inhibitors and have at least one NAP domain and are described. Certain of these proteins have factor Xa inhibitory activity and others have activity as inhibitors of factor VIIa/TF. These proteins can be isolated from natural sources as nematodes, chemically synthesized or made by recombinant methods using various DNA expression systems.

Classifications:

International (ipc 8-9): A01N1/02 A61K A61K35/56 A61K38/00 A61K38/16 A61K38/19 A61K38/55 A61K38/57 A61P43/00 A61P7/02 C07H21/00 C07H21/04 C07K C07K14/435 C07K14/52 C07K14/81 C12N C12N15/09 C12N15/12 C12N15/15 C12N15/19 C12N15/63 C12N9/99 C12P21/06 (Advanced/Invention); A61K35/56 A61K38/00 A61K38/19 C07K14/52 C12N15/09 C12N15/19 C12N15/63 (Advanced/Non-invention); A61K35/56 A61K38/00 A61K38/19 A61P7/00 C07K14/435 C07K14/81 C12N15/09 C12N15/12 C12N15/19 C12N15/63 C12N9/99 (Core/Invention)

International (ipc 1-7): A61K35/14 A61K35/56 A61K38/00 A61K38/17 A61K38/19 A61K38/57 A61P7/02 C07H20/04 C07H21/00 C07H21/04 C07K1/00 C07K14/00 C07K14/435 C07K14/52 C07K14/81 C07K38/00 C12N15/09 C12N15/15 C12N15/19 C12N15/63 C12N5/06 C12N9/48 C12N9/74 C12N9/99 C12P21/02 C12P21/06 C12Q1/56 C12Q1/68 C12Q1/70

CPC: C07K14/4354 A61K38/00 Y10S530/829 A61K38/55
C07K14/811 C12P21/02
European: A61K38/55 C07K14/435A3A C07K14/81B1 C12P21/02
K61K38/00 M07K203/02 M07K205/00 M07K207/00
US: 435/13 435/184 435/184P 435/2 435/212 435/214 435/2S
435/320.1 435/320.100S 435/325 435/325S 435/5 435/6 435/69.1
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514/4.6 514/4.600S 530/300 530/324 530/326 530/326S 530/350
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536/23.5 536/23.500S 536/252



Family:

Publication number	Publication date	Application number	Application date
AT346928 E	20061215	AT19950939520T	19951017
AU199641307 A1	19960506	AU19960041307	19951017
AU711405 B2	19991014	AU19960041307	19951017
CA2202351 AA	19970410	CA19952202351	19951017
DE69535317 D1	20070111	DE19956035317	19951017
DE69535317 T2	20070621	DE19956035317T	19951017
DK0788546 T3	20070410	DK19950939520T	19951017
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EP0788546 B1	20061129	EP19950939520	19951017
EP0788546 B9	20070613	EP19950939520	19951017
EP1772516 A1	20070411	EP20060123554	19951017
ES2276396 T3	20070616	ES19950939520T	19951017
HK1105010 A1	20080201	HK20070110084	20070914
HK1105010 A3	20080201	HK20070110084	20070914
HU225126 B1	20060628	HU19980000027	19951017
HU77431 A2	19980428	HU19980000027	19951017
JP10507361 T2	19980721	JP19960513399T	19951017
JP2006117675 A2	20060511	JP20050304883	20051019
JP2007145851 A2	20070614	JP20060356647	20061228
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JP4101833 B2	20080618	JP20050304883	20051019
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KR19970707286 A	19971201	KR19970702517	19970417
KR19970707286 A	19971201	KR19970702517	19951017
NZ296648 A	20010525	NZ19950296648	19951017
NZ537271 A	20060929	NZ19950537271	19951017
PL183855 B1	20020731	PL19950319782	19951017
PL319782 A1	19970818	PL19950319782	19951017
PT788546 T	20070228	PT19950939520T	19951017
US2003113890 AA	20030619	US20000498272	20000204
US2005191724 AA	20050901	US20050092336	20050329
US2006246547 AA	20061102	US20060454308	20060614
US2010240584 AA	20100923	US20080290059	20081027
US5863894 A	19990126	US19950465380	19950605
US5864009 A	19990126	US19950480478	19950606
US5866542 A	19990202	US19950486397	19950605
US5866543 A	19990202	US19950486399	19950605
US5872098 A	19990216	US19950461965	19950605
US5945275 A	19990831	US19940326110	19941018
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US6040441 A	20000321	US19990249471	19990212
US6046318 A	20000404	US19990249472	19990212
US6087487 A	20000711	US19990249451	19990212
US6090916 A	20000718	US19970809455	19971124
US6096877 A	20000801	US19990249461	19990212
US6121435 A	20000919	US19990249448	19990212
US6534629 BA	20030318	US19990249473	19990212
US6872808 BA	20050329	US20000498556	20000204

Priority:

US19940326110	19941018	US19950486399	19950603	US19950465380	19950605
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US20050092336	20050329	US20060454308	20060614	US20080290059	20081027

Probable Assignee: DENDREON PHARMACEUTICALS INC

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Inventor(s): (std): VLASUK GEORGE PHILLIP ; STANSENS PATRICK ERIC HUGO ; MESSENS JORIS HILDA LIEVEN ; LAUWEREYS MARC JOSEF ; LAROCHE YVES RENE ; JESPER LAURENT STEPHANE ; GANSEMANS YANNICK GEORGES JOZE ; MOYLE MATTHEW ; BERGUM PETER W ; LAUWEREYS MARC JOZEF ; LAROCHE YVES RENEN ; GANSEMANS YANNICK GEORGE JOZEF ; BERGUM W ; LAROCHE RENE ; JESPER STEPHANE ; LAUWEREYS JOSEF ; VLASUK PHILLIP ; MESSENS HILDA ; GANSEMANS GEORGES ; STANSENS ERIC ; YANNICK GEORGES JOZEF GANSEMANS ; MESSENS JORIS HL ; LAURENT STEPHANE JESPER ; PETER W BERGUM ; PATRICK ERIC HUGO STANSENS ; MARC JOSEF LAUWEREYS ; GANSEMANS YANNICK GEORGES JOZEF ; MATTHEW MOYLE ; YVES RENE LAROCHE ; JORIS HILDA LIEVEN MESSENS ; GEORGE PHILLIP VLASUK ; STANSENS PATRICK EH ; JOZEF GANSEMANS YANNICK GEORGES ; VLASUK GEORGE PHILIP ; GANSEMANS GEORGES JOZEF ; VLASUK GEORGE ; GANSEMANS YANNICK G J ; JESPER LAURENT S ; LAROCHE YVES R ; LAUWEREYS MARC J ; MESSENS JORIS H L ; STANSENS PATRICK E H ; VLASUK GEORGE P

Inventor(s): GANSEMANS YANNICK GJ ; JESPER LAURENT ; STANSENS PATRICK ; GANSEMANS YANNICK ; BERGUM PETER ; LAUWEREYS MARC ; LAROCHE YVES ; MESSENS JORIS

Agent(s): SPRUSON AND FERGUSON ; ASPEN PHARMA PTY LTD ; SMART AND BIGGAR ; WILLIAMS DAVIS HILL AND CO ; FISH AND RICHARDSON PC ; NUVELO INC ; FULBRIGHT AND JAWORSKI LLP

Designated states: AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LI LK LR LT LU LV MC MD MG ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TT UA UG US UZ VN

4) Family number: 3556094 (FR2357885A)

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Title: DEPRESSURISED SAMPLE TUBE FOR EXTRACTION OF BLOOD - IS MADE OF TRANSPARENT PLASTICS MATERIAL IN STANDARD CONFIGURATION AND IS CONNECTED TO NEEDLE

Abstract: 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.

Classifications:

International (IPC 8-9): A61B5/15 (Advanced/Invention);

A61B5/15 (Core/Invention)

International (IPC 1-7): A61B5/14 G01N1/14 G01N33/16

CPC: A61B5/15003 A61B5/150099 A61B5/150221 A61B5/150236

A61B5/150244 A61B5/150259 A61B5/150351 A61B5/150389

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A61B5/154

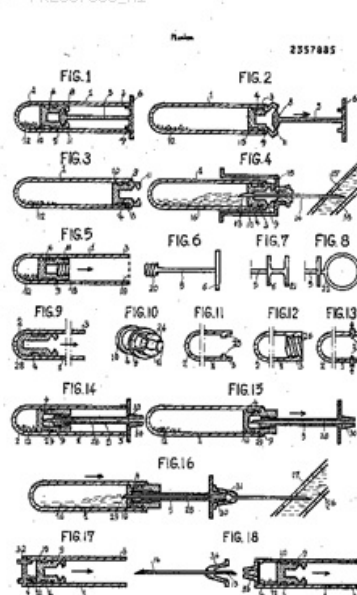
European: A61B5/14B12 A61B5/15B12 A61B5/15B18B10D

A61B5/15B18B2 A61B5/15B18B8F A61B5/15B20 A61B5/15B26

A61B5/15B2D A61B5/15B4B10 A61B5/15B8D A61B5/15B8H

A61B5/15B8J A61B5/15B8N K61B5/154

PatBase - FR2357885_R1



Family:

Publication number	Publication date	Application number	Application date
FR2357885 A1	19780203	FR19760020569	19760706
FR2357885 B1	19801003	FR19760020569	19760706

Priority:

FR19760020569 19760706

Probable Assignee:

CHARVIN GUY

Assignee(s): (std):

CHARVIN GUY

5) Family number: 1883489 (US4722352A)

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Title: BLOOD EXTRACTION DEVICE

Abstract: 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.

Classifications:

International (IPC 8-9): A61B5/15 A61B5/153 (Advanced/Invention); A61B5/15 (Core/Invention)

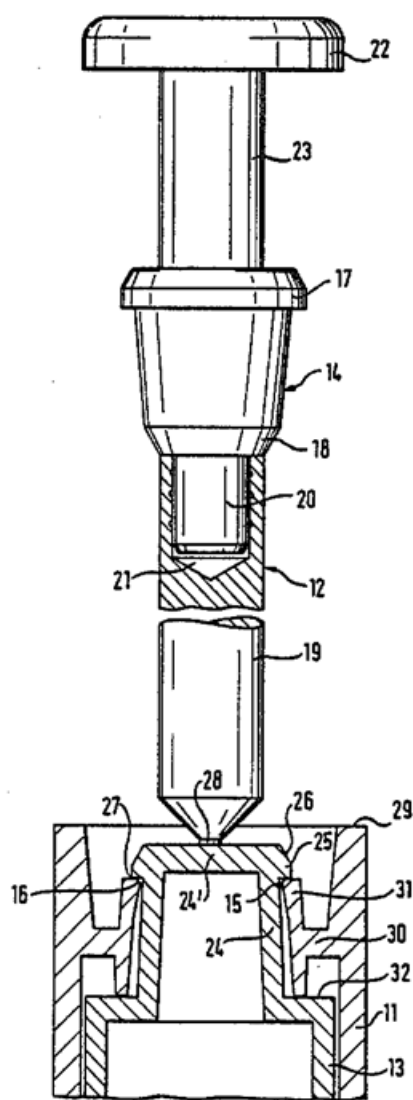
International (IPC 1-7): A61B5/00 A61B5/14

CPC: A61B5/15003 A61B5/150099 A61B5/150236 A61B5/150244 A61B5/153

European: A61B5/14B

US: 128/765 600/578

PatBase - US4722352_A



Family:

Publication number	Publication date	Application number	Application date
DE3341360 A1	19850523	DE19833341360	19831115
DE3341360 C2	19870108	DE19833341360	19831115
FR2554707 A1	19850517	FR19840017375	19841114
FR2554707 B1	19881014	FR19840017375	19841114
GB2149669 A1	19850619	GB19840027845	19841102
GB2149669 B2	19870204	GB19840027845	19841102
GB8427845 A0	19841212	GB19840027845	19841102
JP1849868 C3	19940621	JP19840240370	19841114
JP5066127 B4	19930921	JP19840240370	19841114

JP60174134 A2	19850907	JP19840240370	19841114
US4722352 A	19880202	US19860874816	19860612

Priority:

DE19833341360 19831115 US19840669195 19841107 DE19888841360 19881115

Probable Assignee: SARSTEDT KUNSTSTOFF

Assignee(s): (std): KUNUTOSHUTOTSUKU SHUPURITSUGU ; SARSTEDT KUNSTSTOFF ; SARSTEDT KUNSTSTOFFSPRITZGUBWE

Assignee(s): WALTER SARSTEDT KUNSTSTOFF SPRITZGUSSWERK ; SARSTEDT KUNSTSTOFFSPRITZGUBWERK WALTER ; WALTER SARSTEDT KUNSTSTOFF SPRITZGUSSWERK 5223 NUEMBRECHT DE ; SARSTEDT KUNSTSTOFF SPRITZGUSSWE ; KUNUTOSHUTOTSUKU SHUPURITSUGUSUERUKU ; BARUTERU ZARUSHIYUTETSUTO KUNUTOSHIYUTOTSURA SUPURITSUTSUGUSU BERUKU

Inventor(s): (std): SARSTEDT WALTER ; UARUTAA SARUSHUTETSUDO ; BUARUTAA SARUSHIYUTETSUDO

Inventor(s): SARSTEDT WALTER 5223 NUEMBRECHT DE ; WALTER SARSTEDT

6) Family number: 57492718 (US2016029937A)

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Title: FLUID EXTRACTION AND DRUG DELIVERY SYSTEM AND METHODS USING MICRONEEDLES

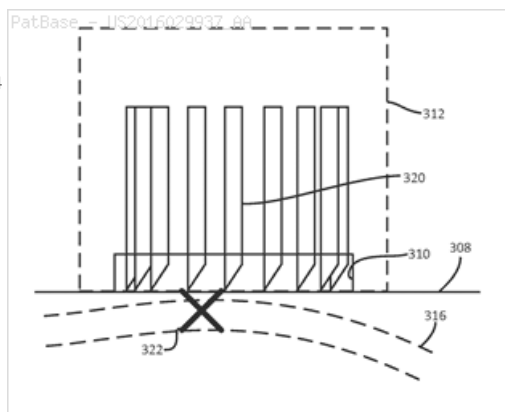
Abstract: Devices systems and methods for fluid extraction and delivery to human or animal hosts are described. In embodiments, microneedles are employed to provide low infection risk and painless access to and administration of fluids. The disclosed embodiments address, among others, issues of cost, portability, ease of use in remote settings including use by untrained personnel, and others.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/145 A61B5/1459 A61B5/15 A61B5/151 A61M5/46 G01N1/10 (Advanced/Invention)

CPC: A61M2037/003 A61M2037/0046 A61M2037/0061 A61B5/150984 A61B5/1459 A61B5/15123 A61B5/14546 A61B5/1513 A61B5/15003 A61B5/489 A61B5/150099 A61B5/150755 A61M37/0015 A61M2037/0023 A61B5/150229 A61B5/150389 A61B5/150503 A61B5/15087 A61B5/15153 A61B5/15163 A61B5/14865 A61B5/685 A61B5/6831

US: 600/341 600/473 600/479



Family:

Publication number	Publication date	Application number	Application date
US2016029937 AA	20160204	US20140779556	20140326
WO14160804 A2	20141002	WO2014US31911	20140326
WO14160804 A3	20141204	WO2014US31911	20140326

Priority:

US20130805450P 20130326 US20140945684P 20140227 US20140779556 20140326
WO2014US31911 20140326

Probable Assignee: TRUSTEES OF COLUMBIA UNIV IN CITY OF NEW YORK

Assignee(s): (std): UNIV COLUMBIA

Assignee(s): TRUSTEES OF COLUMBIA UNIV IN CITY OF NEW YORK

Inventor(s): (std): TEJAVIBULYA NALIN ; SIA SAMUEL K

Agent(s): CATAN MARK A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 75217209 (CN209153711U)

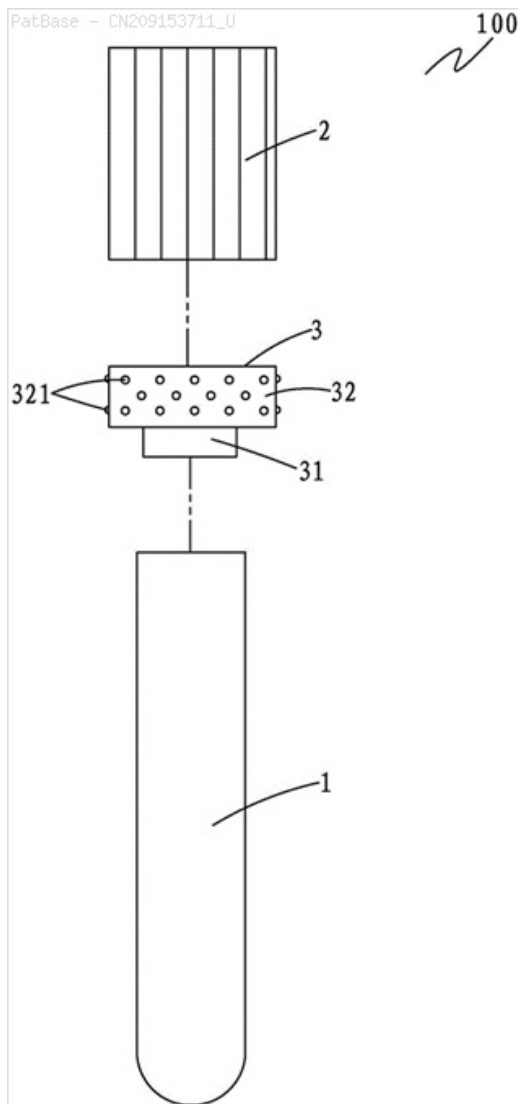
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Title: A separation gel vacuum blood collection tube sealing device (Machine translation)

Abstract: Source: CN209153711U **Machine translation:** The utility model provides a separation gel vacuum blood collection, blood collection tube sealing device comprises a body and a cover provided in said blood collection tube body open end of the cap, said cap is provided with a blockage of the blood collection tube body is connected to a rubber plug; Said rubber plug comprising an integrally formed blood collection tube segment and the plunger of the plunger cap; The blood in the blood collection tube clogging the plunger body, the plunger clogging the tube cap on the pipe cap; The tube caps of the piston segment corresponding to the blood collection tube body is provided with an end face of one end of the first blood collection tube seal groove, the upper end of the blood collection tube body is inserted in the blood collection tube seal groove. The utility model has advantages: May well improve the rubber plug to seal the connection between the blood collection tube body, a aspect can effectively avoid vacuum failure caused reach blood effects, and the need to re-extraction of trouble; On the other hand can improve the blood sample to save time and improve the accuracy of the blood test results.

Classifications:

International (IPC 8-9): A61B5/154 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN209153711 U	20190726	CN201820316329U	20180307

Priority:

CN201820316329U 20180307

Probable Assignee: FUZHOU CHANGGENG MEDICAL DEVICES CO LTD

Assignee(s): (std): FUZHOU CHANGGENG MEDICAL DEVICES CO LTD

8) Family number: 24044564 (US5518005A)

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Title: SYRINGE APPARATUS FOR SEPARATING BLOOD AND METHOD FOR USING SAME

Abstract: A disposable syringe for the dual extraction of arterial blood or venous blood into the barrel of said disposable syringe and a plurality of vacuum glass tubes. The distal portion of the syringe has an inner cannula extending centrally retrograde from the distal portion of the syringe and telescoping into the proximal portion of a conduit of a plunger of the syringe with said plunger of the syringe having a piston which sealably slides lengthwise about said inner cannula and said conduit of said plunger further having one end thereof sealably accepting a blood collection needle of a blood collection receptacle with said inner cannula telescoping further centrally retrograde into said conduit of said plunger with the distal portion of said inner cannula being securely positioned into the distal portion of the syringe so as to allow arterial or venous blood to flow around said inner cannula and into the barrel of the syringe when said plunger is advanced proximally with said inner cannula inducing the flow of arterial or venous blood when a vacuum glass tube is inserted into said blood collection receptacle. Several embodiments of the inner cannula plunger-conduit system are described.

Classifications:

International (IPC 8-9): A61B5/15 A61B5/155 (Advanced/Invention)

International (IPC 1-7): A61B5/00

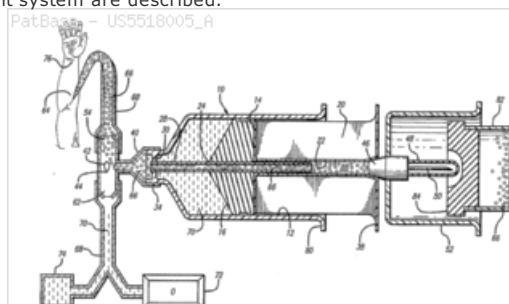
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A61B5/150389 A61B5/150511 A61B5/150572 A61B5/150992

A61B5/153 A61B5/154 A61B5/155

European: A61B5/14B12 A61B5/14B8

US: 128/765 600/578 604/231



Family:

Publication number	Publication date	Application number	Application date
US5518005 A	19960521	US19950426702	19950424
USRE36273 E	19990817	US19970967556	19971112

Priority:

US19950426702 19950424 US19970967556 19971112

Probable Assignee: VL MFG LLC

Assignee(s): (std): VASCULAR LOGICS INC

Assignee(s): VL MFG ; VL MFG LLC ; VL PARTNERS LP ; BRANNON JAMES K

Inventor(s): (std): BRANNON JAMES K

9) Family number: 45955935 (TW353366Y)

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Title: VACUUM BLOOD-COLLECTING TUBE

Abstract: Source: TW353366Y **Machine translation:** The present record as one of the vacuum tube, which maintains species taken blood trial use of vacuum suction principle, so try to use a puncture blood draw tube 00 may be allowed to stand G2 times mining, and automatic drainage of blood sample into the test tube, at the same time repeated extraction pre certain number of blood, undeveloped to automatic extraction of convenience. Its large body comprises a cartridge accommodating knot skis, a holder, a needle head knot knot skis strikeout skis, wherein accommodating barrel knot skis. Try comprises a tube, the ends of ?? engage the seat where the contents to engage the seat at the through hole, ?? ?? compact delivery needle seat beneath the front end of the trial, the strikeout strikeout compact delivery needle seat and provided with a circular ball blocking beneath the channel; Try to a piston tube embedded design, the design through the through-hole concentration of ? and pull pull pull the piston is engaged, the strikeout of ? 00 when moving to pulling the piston to the end of the shift, in order to try to pull the air so that the tube forms a vacuum-like state; Holder 00 will result in the session strikeout skis holder outside screw receiving tube, and then beneath the strikeout strikeout try later holder outer tube front end set into the needle head devices, session 00 using a transparent strikeout needle holder for the needle-like tip into the needle seat compact delivery, and shun strikeout potential turn into circular ball, evidence-this can lead pilot launch strikeout blood through the drainage channel into the test tube female ,in vacuum-like state, the liquid flows into the suction let blood from moving to try tube female undeveloped automatic extraction of the effect.

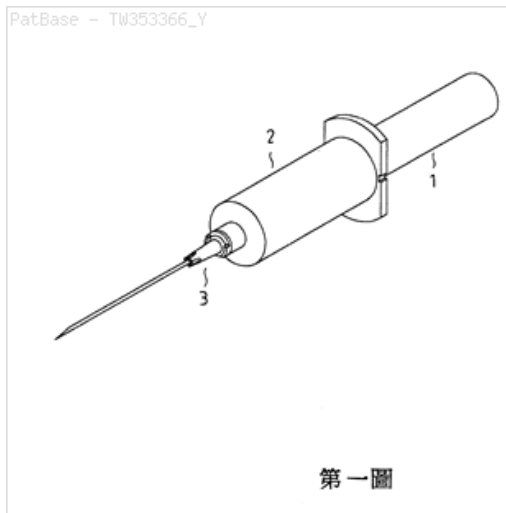
Classifications:

International (IPC 8-9): A61B5/15 A61J1/05

A61M5/178 (Advanced/Invention);

A61M5/178 (Core/Non-invention)

International (IPC 1-7): A61M5/178



Family:

Publication number	Publication date	Application number	Application date
TW353366 Y	19990221	TW19970216937U	19971004

Priority:

TW19970216937U 19971004

Probable Assignee:

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Inventor(s): (std):

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10) Family number: 8344397 (WO9301494A1)

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Title: METHOD AND APPARATUS FOR IMPROVED SOLID PHASE EXTRACTION

Abstract: A solid phase extraction device (10, 100) for extracting a desired analyte from a sample is disclosed. The device includes an upper cartridge (20, 120) having a fluid inlet (40, 157), a lower cartridge (25, 125) having a fluid outlet (75, 165) in fluid communication with the fluid inlet (40, 157), and at least one concentrator disc (30) positioned intermediate the inlet (40, 157) and the outlet (75, 165). The disc (30) is comprised of silica embedded in a rigid matrix, and has a phase capable of binding the analyte associated therewith. A kit including an extraction device (10, 100) and a chromatographic development sheet (200) is also disclosed. In addition, methods of extracting and storing a desired analyte are disclosed.

Classifications:

International (IPC 8-9): B01D15/08 G01N1/34 G01N30/00

G01N30/06 G01N30/52 G01N30/91 G01N30/92 (Advanced/Invention);

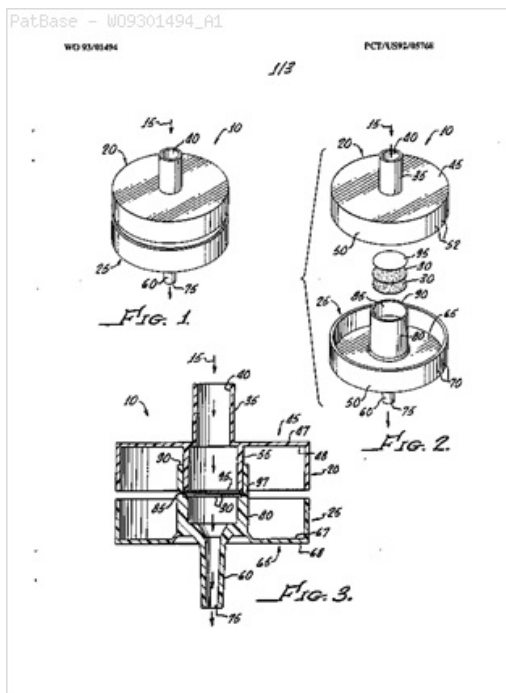
G01N1/34 G01N30/00 G01N30/06 G01N30/52

G01N30/91 (Advanced/Non-invention);

B01D15/08 G01N30/00 (Core/Invention);

G01N1/34 (Core/Non-invention)

International (IPC 1-7): B01D15/08 G01N30/02 G01N30/48
G01N30/60 G01N30/91
CPC: G01N30/92 B01D15/22 B01D15/361 G01N1/405 G01N30/91
G01N2030/009 G01N2030/062 G01N2030/527
European: B01D15/08 B01D15/22 G01N30/92 L01D15/36B
S01N1/40P S01N30/00E S01N30/06A S01N30/52C2 S01N30/91



Family:

Publication number	Publication date	Application number	Application date
AU199223109 A1	19930211	AU19920023109	19920708
WO9301494 A1	19930121	WO1992US05768	19920708

Priority:

US19910729356 19910712 WO1992US05768 19920708

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Designated states: AT AU BE CA CH DE DK ES FR GB GR IT JP LU MC NL SE

11) Family number: 3608049 (FR2321303A)

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Title: BLOOD SAMPLE EXTRACTOR FOR PATIENTS LIABLE TO TRAUMA - WITH COLLECTION OF BLOOD BY CONTROLLED SUCTION

Abstract: 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.

Classifications:

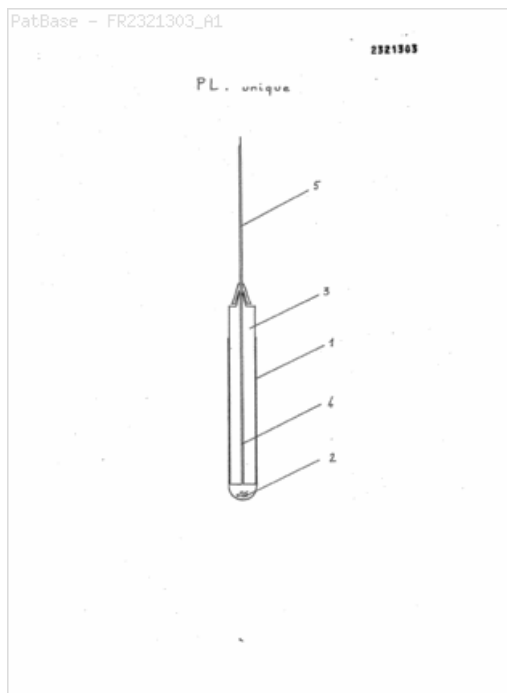
International (IPC 8-9): A61B5/15 (Advanced/Invention);
A61B5/15 (Core/Invention)

International (IPC 1-7): A61M1/00

CPC: A61B5/15003 A61B5/150099 A61B5/150236 A61B5/150389
A61B5/150519 A61B5/150755 A61B5/153

European: A61B5/14B A61B5/153 A61B5/15B18B10D

A61B5/15B18B2 A61B5/15B26 A61B5/15B2D A61B5/15B4B10
A61B5/15B8H



Family:

Publication number	Publication date	Application number	Application date
FR2321303 A1	19770318	FR19750025716	19750820

Priority:

FR19750025716 19750820

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Assignee(s): (std): CHARBONNIER MICHEL
Inventor(s): (std): CHARBONNIER MICHEL ; MACHAT RACHID
Inventor(s): RACHID MACHAT ET MICHEL CHARBONNIER

12) Family number: 61737319 (CN205041415U)

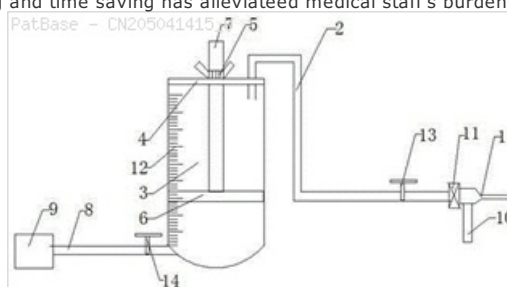
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Title: CLINICAL LABORATORY IS WITH QUANTITATIVE VACUUM BLOOD SAMPLING DEVICE

Abstract: 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.

Classifications:

International (IPC 8-9): A61B5/154 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN205041415 U	20160224	CN201520796066U	20151014

Priority:

CN201520796066U 20151014

Probable Assignee: WANG BAOCHEN
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