

Nicolas Vargas

1) Family number: 10633643 (EP0921378A2)

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Title: METHOD FOR LOCALISING ERRORS IN A FLOW METER

Abstract: Source: EP0921378A2 The invention concerns a method for detecting misbehaviour of a mechanically based flow meter. The method comprises the steps of reading a primary flow signal of the flow meter several times per mechanical cycle; analysing the readings to find periodical, time-dependent variations; producing a current representation of the variations; and comparing the current representation with a corresponding normal representation which represents correctly operating meters of the same type, and detecting significant differences, if any.

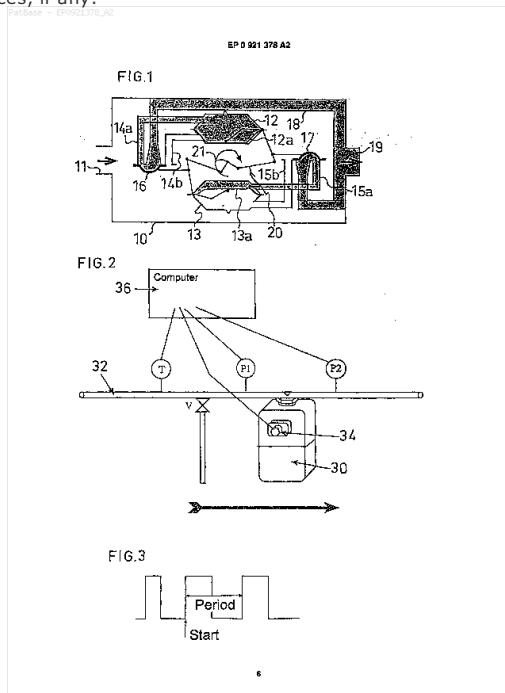
Classifications:

International (IPC 8-9): G01F25/00 G01F3/22 (Advanced/Invention);
G01F25/00 G01F3/02 (Core/Invention)

International (IPC 1-7): G01F25/00

CPC: G01F3/223 G01F25/0007

European: G01F25/00A G01F3/22D2



Family:

Publication number	Publication date	Application number	Application date
EP0921378 A2	19990609	EP19980850169	19981103
EP0921378 A3	20000503	EP19980850169	19981103
SE517983 C2	20020813	SE19970004131	19971111
SE9704131 A	19990512	SE19970004131D	19971111
SE9704131 A0	19971111	SE19970004131	19971111
SE9704131 L	19990512	SE19970004131	19971111

Priority:

SE19970004131 19971111

Probable Assignee: ULF R C NILSSON

Assignee(s): (std): NILSSON ULF R C ; ULF R C NILSSON

Inventor(s): (std): DELSING JERKER ; NILSSON ULF R C

Inventor(s): ULF R C NILSSON ; JERKER DELSING

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

2) Family number: 15419100 (US6234030B)

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Title: Multiphase metering method for multiphase flow

Abstract: Source: US6234030B The present invention includes a method for multiphase metering of multiphase flow. the method begins with reducing gas **volume** to about 20 percent or less, then pumping the flow stream through two meters, a cut meter and a mass flow meter, arranged in series. Computations may be made on the flow stream to determine net oil rate, water cut, and gas fraction in the flow stream.

Classifications:

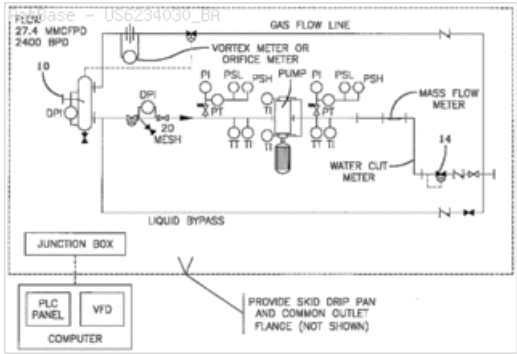
International (IPC 8-9): E21B21/01 E21B21/06 G01F1/74 G01F15/08
G01N33/28 (Advanced/Invention);

E21B21/00 G01F1/74 G01F15/00 G01N33/26 (Core/Invention)

International (IPC 1-7): G01F1/74 G01F15/08 G01F7/00 G01N33/22

CPC: E21B21/01 E21B21/06 G01F1/74 G01F15/08 G01N33/2823

European: E21B21/01 E21B21/06 G01F1/74 G01F15/08
G01N33/28E



Family:

Publication number	Publication date	Application number	Application date
US6234030 BA	20010522	US19980143035	19980828

Priority:

US19980143035 19980828

Probable Assignee: B27 LLC

Assignee(s): (std): ROSEWOOD EQUIPMENT CO ; ROSEWOOD EQUIPMENT COMPANY

Assignee(s): WELLS FARGO BANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; B27 LLC ; MADISON CAPITAL FUNDING LLC AGENT AS ; MADISON CAPITAL FUNDING LLC AS AGENT

Inventor(s): (std): BUTLER BRYAN V

3) Family number: 31002680 (US6453721B)

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Title: Gas meter calibration testing device

Abstract: Source: US6453721B A air meter calibration testing device for testing temperature compensators, comprises a vortex cooling tube, a cold air chamber, a hot air chamber, a bleed valve, a motorized drive system and a compressed air regulator. The vortex tube converts compressed air from the regulator into distinct cold and hot waste air streams. The cold stream is provided to the cold air chamber and the hot stream is provided to the hot air chamber. The regulator is used to adjust the pressure of the compressed air supplied to the vortex tube and accordingly to adjust the temperature in the cold air chamber. The bleed valve is coupled to the hot air outlet of the vortex tube and is used to adjust the air flow of the hot air stream into the hot chamber and accordingly the temperature in the hot air chamber. The motorized drive system is adapted to provide volumetric input to the temperature compensator by actuating the drive shaft of the temperature compensator to simulate connection to a air meter.

Classifications:

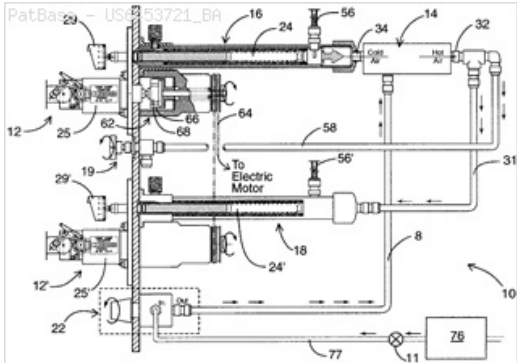
International (IPC 8-9): G01F15/04 G01F25/00 (Advanced/Invention); G01F15/00 G01F25/00 (Core/Invention)

International (IPC 1-7): G01D G01F15/04 G01F25/00

CPC: G01F15/04 G01F25/0007 G01F25/0053 F25B9/04

European: F25B9/04 G01F15/04 G01F25/00A G01F25/00A12

US: 73/1.01 73/1.16 73/101 73/116



Family:

Publication number	Publication date	Application number	Application date
AU2001287418 AA	20020304	AU20010287418	20010823
CA2316628 AA	20020225	CA20002316628	20000825
CA2316628 C	20070501	CA20002316628	20000825
US6453721 BA	20020924	US20000695388	20001025
WO2016876 A2	20020228	WO2001CA01203	20010823
WO2016876 A3	20020425	WO2001CA01203	20010823

Priority:

CA20002316628 20000825 US20000695388 20001025 WO1999CA00480 19990525
WO2001CA01203 20010823

Probable Assignee: ROMET LTD

Assignee(s): (std): GREZESLO RICHARD I ; GRZESLO RICHARD I ; SMICH ANDREW ; ROMET LTD

Assignee(s): MIRT INVESTMENTS INC ; ROMET LIMITED

Inventor(s): (std): GREZESLO RICHARD I ; GRZESLO RICHARD I ; SMICH ANDREW

Inventor(s): ANDREW SMICH ; RICHARD I GREZESLO

Agent(s): BERESKIN AND PARR LLP SENCRL SRL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: METHOD AND DEVICE FOR DETERMINING A GAS LEAK

Abstract: Source: US2009223129A Apparatus and method for detecting a gas leak in a gas distribution system or part thereof, and comprising: (a) a gas inlet connected to a gas-consuming peripheral (10); (b) a means (50) of detecting gas flow rate, which is situated downstream of and close to said inlet; (c) a variable-volume buffer chamber (11), coupled to said distribution system downstream of the detection means (50); (d) a valve (6) controlled by a control means (6A) for leaving or not leaving the gas free to pass from the gas source or supply to the buffer chamber (11) according to the amount of gas present therein; and (e) a means (8) capable of emitting a leak signal when the detection means (50) detects a gas flow rate higher than a predetermined value when the control means (6A) is interrupting the supply of gas to the buffer chamber (11).

Classifications:**International (ipc 8-9):** F15B1/00 F15B1/02 F15C4/00 F16L51/02

F16L55/05 F17D1/20 F17D5/02 F17D5/06 G01M3/00

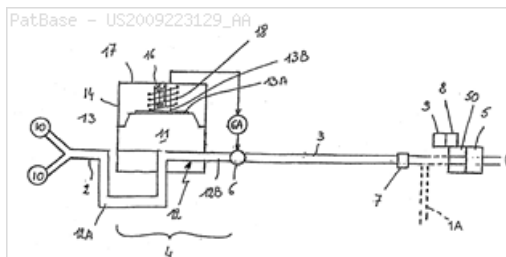
G01M3/26 (Advanced/Invention);

F17D5/00 G01M3/00 G01M3/26 G06F17/30 H04L12/26

H04M3/22 (Core/Invention)

International (ipc 1-7): F17D5/02 F17D5/06**CPC:** F17D5/02**European:** F17D5/02 H04L12/26M1B H04L43/02B H04L63/10

H04L63/30

US: 1/1P 48/193 48/194 707/999.005S 707/999.010S 707/E17.014S**Family:**

Publication number	Publication date	Application number	Application date
AU2007218988 AA	20070830	AU20070218988	20070222
BE1017016 AF	20071204	BE20060000115	20060222
CA2642463 AA	20080814	CA20072642463	20070222
CN101389894 A	20090318	CN200780006520	20070222
EP2002172 A2	20081217	EP20070710570	20070222
JP2009527742 T2	20090730	JP20080555569T	20070222
MX2008010797 A1	20081128	MX20080010797	20070222
RU2008137624 A	20100327	RU20080137624	20070222
US2009223129 AA	20090910	US20060280334	20060222
WO07095699 A2	20070830	WO2007BE00018	20070222
WO07095699 A3	20071115	WO2007BE00018	20070222

Priority:

BE20060000115 20060222

BE20060000607 20061208

WO2007BE00018 20070222

WO2007BE00018 20060222

Probable Assignee: CLEVERGAS HOLDING SA**Assignee(s):** (std): ANDRE PAUL ; CLEVERGAS HOLDING S A ; CLEVERGAZ SPRL ; DE RADIGUES HUGUES**Assignee(s):** CLEVERGAS HOLDING SA**Inventor(s):** (std): ANDRE PAUL ; DE RADIGUES HUGUES ; RADIGUES HUGUES DE**Inventor(s):** ANDRU PAUL ; A IMBIMBO ; E DE LUCA ; HUGUES DE RADIGUES ; PAUL ANDRE ; R DE SANTIS**Agent(s):** PHILLIPS ORMONDE FITZPATRICK; OGILVY RENAULT LLP SENCRL SRL; VANDEBERG MARIE PAULE LG ET AL; MASUI CHUJI; ONO SHINJIRO; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; TOWNSEND AND TOWNSEND AND CREW LLP**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM 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 MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**Title:** ANTIMICROBIAL COMPOSITIONS AND FIBRES INCORPORATING THE SAME

Abstract: Source: US2012082711A The present application defines an antimicrobial composition comprising (a) at least two antimicrobial agents having different antimicrobial mechanisms of action and being present in amounts that together provide a synergistic antimicrobial effect or (b) an antimicrobial agent and a surface modifying agent, an antimicrobial masterbatch comprising antimicrobial composition (a) or (b) and a polymer carrier, an antimicrobial fibre composition comprising the antimicrobial masterbatch and a fibre substrate, an antimicrobial fibre comprising a fibre body or a fibre surface having the antimicrobial fibre composition, and a process for producing antimicrobial fibres.

Classifications:**International (ipc 8-9):** A01N25/34 A01N29/10 A01N31/16

A01N59/00 A01N59/16 A01P1/00 A41D13/11 A61L9/16 A62B18/02

A62B23/00 A62B9/06 B29B15/00 D01F8/06 D04H3/16 D06M11/77

D06M11/83 D06M13/08 (Advanced/Invention);

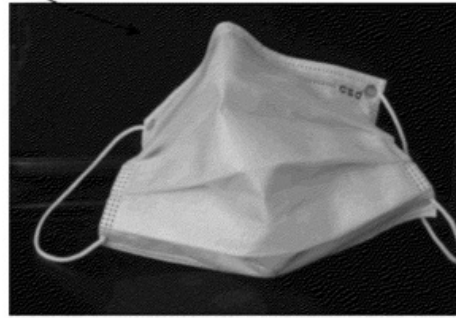
A01N25/34 A01N31/00 A01N59/00 A01N59/16 A01P1/00 A61L9/16

A62B18/00 A62B23/00 (Core/Invention)

CPC: A41D13/1192 A61L9/16 A01N59/16**European:** A01N59/16 A61L9/16**US:** 156/167 156/167S 264/5 264/5S 424/404 424/404P 424/618

424/618S

10

**Family:**

Publication number	Publication date	Application number	Application date
CA2697940 AA	20090305	CA20082697940	20080829
EP2197282 A1	20100623	EP20080783435	20080829
EP2197282 A4	20130605	EP20080783435	20080829
TW200917957 A	20090501	TW20080133382	20080829
TWI378773 B	20121211	TW20080133382	20080829
US2012082711 AA	20120405	US20080675336	20080829
WO09026725 A1	20090305	WO2008CA01550	20080829

Priority:

US20070969350P 20070831 US20080675336 20080829 WO2008CA01550 20080829

Probable Assignee: NOVEKO INC**Assignee(s):** (std): GORANOV KONSTANTIN ; NOVEKO INC**Assignee(s):** THIRD EYE CAPITAL CORP**Inventor(s):** (std): GORANOV KONSTANTIN**Agent(s):** CATHERINE ALAIN; DIORIO HELENE 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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

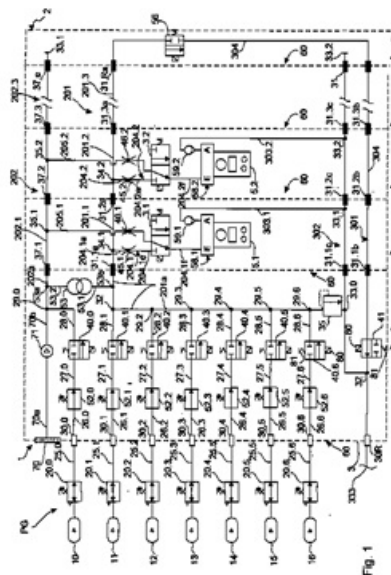
6) Family number: 53862095 (DE102012013999A1)

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Title: GASBEAUFSCHLAGUNGS-VORRICHTUNG FUER EINE GASMESSGERAETE-PRUEFVORRICHTUNG UND VERFAHREN ZUR DURCHFUEHRUNG EINER MESSUNG DER KONZENTRATION EINES VORBESTIMMTEN PRUEFGASES IN EINEM MESSGAS GAS ADMISSION DEVICE FOR TESTING OPERABILITY AND CALIBRATION OF GAS MEASURING INSTRUMENTS, HAS A TEST **CHAMBER** DEVICE CONNECTED TO MAIN PIPES SUCH THAT CALIBRATION GAS AND ZERO-POINT GAS IN PIPES ARE FED TIME-SEQUENTIALLY IN A ROW

Abstract: Source: DE102012013999A1 Gasbeaufschlagungs-Vorrichtung (2) mit einer Pruefgas-Anschlussvorrichtung (30; 30a, 30b) zum Anschliessen mindestens eines ein Pruefgas enthaltenden Gasbehaelters (10, 11), die Gasbeaufschlagungs-Vorrichtung (2) aufweisend: - mindestens eine Pruefkammervorrichtung (58) mit einer Pruefkammer und einer Gasmessgeraet-Aufnahmevorrichtung zur loesbaren Ankopplung eines Gasmessgeraets (5) zur Erfassung einer Eigenschaft eines die Pruefvorrichtung durchstroemenden Pruefgases mittels einer Pruefgas-Sensorvorrichtung des Gasmessgeraets (5), - eine an eine erste der Pruefgas-Anschlussvorrichtungen (30a) angeschlossene erste Hauptleitung (201) zum Anschliessen mindestens eines ersten der Gasbehaelter (11) an die erste Hauptleitung (201) zum Bereitstellen eines in dem jeweiligen Gasbehaelter (11) enthaltenen Kalibrierungsgases oder einer Mehrzahl von Kalibrierungsgasen (11 bis 16) der ersten Hauptleitung (201), - eine an eine zweite der Pruefgas-Anschlussvorrichtungen (30b) angeschlossene zweite Hauptleitung (202) zum Anschliessen mindestens eines zweiten der Gasbehaelter (10) an die zweite Hauptleitung (202) zum Bereitstellen eines in dem jeweiligen Gasbehaelter (11) enthaltenen Nullpunktgas oder einer Mehrzahl von Nullpunktgasen (11 bis 16) der zweiten Hauptleitung (202), wobei die mindestens eine Pruefkammervorrichtung (58.1 bis 58.10) zur Aufnahme des Kalibrierungsgases und/oder des Nullpunktgas ausgebildet ist und mit der ersten und der zweiten Hauptleitung (201, 202) derart verbunden ist, dass das Kalibrierungsgas ueber die erste Hauptleitung (201) und das Nullpunktgas ueber die zweite Hauptleitung (202) der Pruefkammervorrichtung (58) in einer zeitlich sequentiellen Abfolge hintereinander zugefuehrt werden koennen, sowie Verfahren zur Durchfuehrung einer Messung der Konzentration eines vorbestimmten Pruefgases in einem Messgas. The test gas connectors (30.0-30.3) connect the test gas containers (11-16) to a pressure reduction valve (45.1). A first main pipe (201) supplies calibration gas to first container. A second main pipe (202) supplies zero-point gas to second container. The second pipe is connected to a compressor (71) for introducing ambient air. A test **chamber** device (58.1) is formed for receiving the calibration gas and/or the zero-point gas and is connected to the pipes such that the calibration gas in first pipe and the zero-point gas in second pipe are fed time-sequentially in a row. An independent claim is included for a method for performing evaluation of predetermined concentration of test gas in measurement gas.

Classifications:**International (IPC 8-9):** G01N33/00 G01N37/00 (Advanced/Invention)**CPC:** G01N33/0006 G01N33/007



22/23

Family:

Publication number	Publication date	Application number	Application date
DE102012013999 A1	20130529	DE201210013999	20120713

Priority:

DE201110119566 20111128 DE201210013999 20120713

Probable Assignee: DRAEGER SAFETY AND CO KGAA AG**Assignee(s):** (std): DRAEGER SAFETY AG AND CO KGAA ; DRAEGER SAFETY AND CO KGAA AG**Inventor(s):** (std): BARTEN STEFAN ; BUECKER DETLEF ; KANEBLEI INGO**7) Family number: 61851549 (CO7500035A)**

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Title: PROBADOR PORTABLE DE MEDIDORES DE GAS INDUSTRIALES IN-SITU Y METODO DE **VERIFICACION** PORTABLE **TESTER** INDUSTRIAL **GAS METERS** AND METHOD IN-SITU **VERIFICATION** (Machine translation)

Abstract: Source: CO7500035A RESUMEN La presente solución tecnológica se enfoca a la **verificación** metrological de los medidores de gas de los clientes comerciales, industriales y demás relacionados a las líneas de flujo de transporte y distribución de gas. Dicha **verificación** implementada a partir de un probador portable de medidores de gas caracterizado por un sistema de **verificación** compuesto de al menos dos medidores patron de volumen de gas lineal y un modulo de **verificación**; una camara de almacenamiento de gas de Entrada; una camara de almacenamiento de gas de salida; un ventilador de alto desempeño; un sistema de supervision, control y adquisicion de datos; una herramienta de analisis de datos; y un servidor de supervision, control y adquisicion de datos. SUMMARY This technology solution focuses on the metrological **verification** of **gas meters** of commercial, industrial and other related to the flow lines of transport and distribution of gas customers. Such **verification** implemented from a portable **gas meters tester** characterized by a **verification** system comprised of at least two meters linear pattern of gas **volume** and **verification** module; a storage **chamber** inlet gas; a storage **chamber** outlet gas; high performance fan; a system of supervision, control and data acquisition; a tool for data analysis; and Server supervision, control and data acquisition.

Classifications:**International (IPC 8-9):** B01D53/02 (Advanced/Invention)**Family:**

Publication number	Publication date	Application number	Application date
CO7500035 A1	20160129	CO20150264385	20151105

Priority:

CO20150264385 20151105

Probable Assignee: CENTRO DE DESARROLLO TECNOLOGICO DEL GAS**Assignee(s):** CENTRO DE DESARROLLO TECNOLOGICO DEL GAS**Inventor(s):** CESAR AUGUSTO SIERRA VARGAS ; OSCAR YAZIT SALAH GARCIA**Agent(s):** LOLA KANDELAFT**8) Family number: 63037725 (WO16120801A1)**

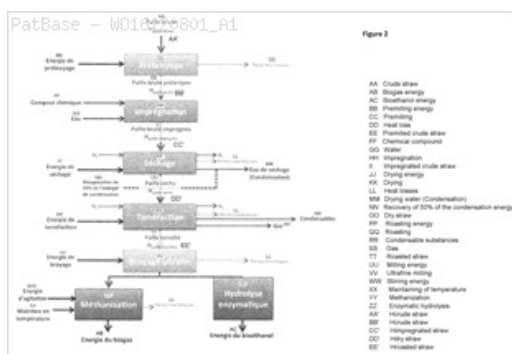
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Title: PROCESS FOR DRY THERMOCHEMICAL PRETREATMENT OF A LIGNOCELLULOSIC BIOMASS

Abstract: A process for fractionating a lignocellulosic biomass comprising a step of dry alkaline chemical treatment, a step of heat treatment, and a step of mechanical treatment.

Classifications:**International (IPC 8-9):** C10L3/08 C10L5/36

CPC: C10L9/083 C10L3/08 C10L5/366 C10L9/08 Y02E50/15
Y02E50/30 Y02E50/343



Family:

Publication number	Publication date	Application number	Application date
EP3050943 A1	20160803	EP20150305091	20150127
WO16120801 A1	20160804	WO20161850404	20160127

Priority:

EP20150305091 20150127

Probable Assignee: CIRAD

Assignee(s): (std): AGRONOMIQUE INST NAT RECH ; CIRAD

Assignee(s):

NATIONAL DE LA RECHERCHE AGRONOMIQUE INST ; CENTRE DE COOPERATION INT EN RECHERCHE AGRONOMIQUE POUR LE DEVELOPPEMENT CIRAD ; CENTRE DE COOPERATION INT EN RECHERCHE AGRONOMIQUE POUR LE DEVELOPPEMENT CIRAD

Inventor(s): (std):

BARAKAT ABDELLATIF ; CARRERE HELENE ; COMMANDRE JEAN MICHEL ; DUMAS CLAIRE ; LEBOEUF ALEXANDRE ; ROUAU XAVIER

Agent(s):

GEVERS AND ORES: MARTIN TOUAUX ELSA 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 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 PA PE PG PH PL PT QA RO RS RU 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