

Search history

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Title: INTERACTIVE EDUCATION SYSTEM FOR TEACHING PATIENT CARE

Abstract: An interactive education system for teaching patient care to a user is described. The system comprises a patient **simulator**; a virtual instrument for use with the patient **simulator** in performing patient care activities; means for sensing an interaction between the virtual instrument and the **simulator**; and means for providing feedback to the user regarding the interaction between the virtual instrument and the **simulator**.

Classifications:

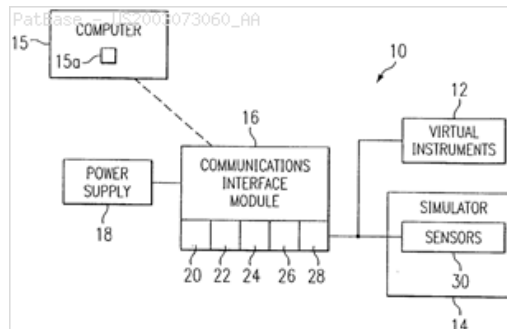
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G06Q50/00 G09B19/00 G09B23/00 G09B23/28 G09B23/30
G09B23/32 G09B23/34 G09B23/38 G09B9/00 (Advanced/Invention);
A61B19/00 (Advanced/Non-invention);
G06F19/00 G06Q50/00 G09B23/00 G09B9/00 (Core/Invention);
A61B19/00 (Core/Non-invention)

International (IPC 1-7): A61B A61G12/00 G09B23/28

CPC: G06F19/3481 G09B23/32 G16H50/50 G09B23/30 G09B23/28
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European: G06F19/34H G09B23/28 G09B23/28B G09B23/30
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US: 1/1 434/262 434/262P 434/262S 434/265 434/266 434/266P
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**Family:**

Publication number	Publication date	Application number	Application date
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Agent(s): HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; HOFFMANN EITLE; BOULT WADE TENNANT; FROST ALEX JOHN; DOBASHI AKIRA; HAYNES AND BOONE LLP; HAYNES AND BOONE LLP IP SECTION; MCCOMBS DAVID L ET AL; WEBB GREGORY P 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 YU ZA ZM ZW

Title: TECHNIQUES FOR PREDICTION AND MONITORING OF RESPIRATION-MANIFESTED CLINICAL EPISODES

Abstract: A method is provided for predicting an onset of a clinical episode, the method including sensing breathing of a subject, determining at least one breathing pattern of the subject responsively to the sensed breathing, comparing the breathing pattern with a baseline breathing pattern, and predicting the onset of the episode at least in part responsively to the comparison. Other embodiments are also described.

Classifications:

International (IPC 8-9): A61B10/00 A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/021 A61B5/024 A61B5/0245 A61B5/04 A61B5/046 A61B5/05 A61B5/08 A61B5/103 A61B5/107 A61B5/11 A61B5/113 A61B5/117 A61B5/145 A61B5/16 A61B7/00 A61F5/56 A61M21/00 A61N1/00 A61N1/362 A61N1/372 A61N1/39 G06F17/00 G06F19/00 (Advanced/Invention); A61B5/02 A61B5/024 A61B5/08 A61B5/103 A61B5/113 (Advanced/Non-invention); A61B10/00 A61B5/00 A61B5/02 A61B5/08 A61B5/103 A61B5/11 A61B7/00 A61N1/362 A61N1/372 G06F17/00 (Core/Invention); A61B5/02 A61B5/08 A61B5/103 A61B5/11 (Core/Non-invention); A61B G01N (Subclass/Invention)

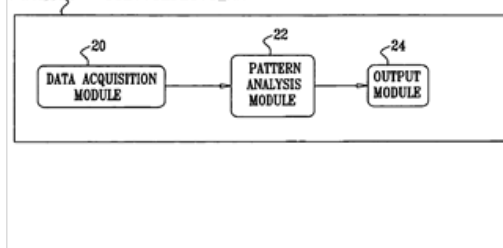
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US: 1/1 128/845 128/920 128/920S 600/16 600/300 600/301 600/347 600/365 600/481 600/481S 600/483 600/483P 600/484 600/508 600/508P 600/508S 600/509 600/511 600/515 600/529 600/529P 600/529S 600/534 600/534P 600/534S 600/538 600/584 600/586 600/586S 600/587 600/587P 600/588 600/595 607/22 607/7

PatBase - US2005192508_AA

**Family:**

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Probable Assignee: EARLYSENSE LTD

Assignee(s): (std): EARLYSENSE LTD ; LANGE DANIEL H ; GROSS YOSEF ; HALPERIN AVNER ; PINHAS ITZHAK ; LANGE DANIEL ; MEGER GUY ; SHINAR ZVIKA ; AVERBOUKH ARKADI ; EARLY SENSE LTD ; EARLYSENS LTD ; YOSEF GROSS

Assignee(s): EARLYSENSE LTD LANGE DANIEL H GROSS ; AVNER HALPERIN ; DANIEL H LANGE ; DANIEL LANGE ; ITZHAK PINHAS ; KREOS CAPITAL V EXPERT FUND LP

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Inventor(s): DANIEL LANGE ; DANIEL H LANGE

Agent(s): JANET STEAD AND ASSOCIATES PATENT AND TRADE MARKS ATTORNEYS; WRAYS; INTEGRAL IP; SARPI MAURIZIO ET AL; WAECHTER JOCHEN ET AL; FRANKS BARRY GERARD; DR EYAL BRESSLER; WEBB AND CO; OHTSUKA SUMIE; CHIBA AKIO; ONO SHINJIRO; SHAMOTO ICHIO; TOMITA HIROYUKI; KOBAYASHI YASUSHI; DARBY AND DARBY PC; HESLIN ROTHENBERG FARLEY AND MESITI PC; DARBY AND DARBY; BOOTH UDALL FULLER PLC; RODNEY J; ROACH BROWN MCCARTHY AND GRUBER PC; KEVIN D; SANFORD T COLB AND CO

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Title: METHOD OF COLLECTING PLACENTAL STEM CELLS

Abstract: A method of collecting embryonic-like stem cells from a placenta which has been treated to remove residual cord blood by perfusing the drained placenta with an anticoagulant solution to flush out residual cells, collecting the residual cells and perfusion liquid from the drained placenta, and separating the embryonic-like cells from the residual cells and perfusion liquid. Exogenous cells can be propagated in the placental bioreactor and bioactive molecules collected therefrom.

Classifications:

International (IPC 8-9): A01N1/02 A01N43/04 A01N63/00 A01N65/00 A61J3/00 A61K A61K34/14 A61K35/00 A61K35/12 A61K35/14 A61K35/28 A61K35/44 A61K35/48 A61K35/50 A61K35/51 A61K35/545 A61K35/64 A61K35/644 A61K38/21 A61K45/06 A61K48/00 A61K9/00 A61K9/14 A61L27/00 A61L27/36 A61L27/38 A61M1/02 A61P1/00 A61P1/04 A61P1/12 A61P11/00 A61P13/00 A61P13/02 A61P13/12 A61P17/00 A61P17/02 A61P17/06 A61P19/00 A61P19/02 A61P21/00 A61P25/00 A61P25/02 A61P25/16 A61P25/28 A61P27/00 A61P27/02 A61P27/06 A61P29/00 A61P3/00 A61P3/10 A61P31/12 A61P35/00 A61P37/00 A61P37/06 A61P43/00 A61P5/14 A61P7/00 A61P7/06 A61P9/00 A61P9/10 C12M1/00 C12M1/34 C12M1/36 C12M3/00 C12N C12N13/00 C12N15/00 C12N15/09 C12N15/63 C12N5/00 C12N5/02 C12N5/06 C12N5/07 C12N5/071 C12N5/073 C12N5/0735 C12N5/074 C12N5/077 C12N5/0775 C12N5/078 C12N5/0789 C12N5/0793 C12N5/0797 C12N5/08 C12Q1/02 G01N33/569 (Advanced/Invention); A01N1/02 A01N63/00 A61K35/12 A61K48/00 A61P25/00 A61P9/10 C12N5/07 C12N5/071 C12N5/0735 C12N5/074 (Advanced/Non-invention); A01N1/00 A01N63/00 A61K35/00 A61K35/12 A61K35/14 A61K35/28 A61K35/44 A61K35/48 A61K35/56 A61K38/21 A61K48/00 A61M1/02 A61P1/00 A61P13/00 A61P17/00 A61P19/00 A61P21/00 A61P25/00 A61P27/00 A61P29/00 A61P3/00 A61P37/00 A61P43/00 A61P5/00 A61P7/00 A61P9/00 C12M1/00 C12M1/34 C12M1/36 C12M3/00 C12N15/00 C12N5/00 C12N5/06 C12N5/071 C12N5/073 C12N5/077 C12N5/0793 (Core/Invention); A61K35/12 (Core/Non-invention); A61K A61M C12M (Subclass/Invention); A01N (Subclass/Non-invention)

International (IPC 1-7): A01N1/02 A01N31/70 A01N43/04 A61K31/70 A61K35/14 A61K35/28 A61K35/44 A61K35/48 A61K35/50 A61K45/00 A61K48/00 A61L27/38 A61M1/02 A61P13/12 A61P17/02 A61P19/00 A61P21/00 A61P25/00 A61P25/02 A61P25/16 A61P25/28 A61P27/02 A61P27/06 A61P29/00 A61P3/00 A61P3/10 A61P37/06 A61P43/00 A61P5/14 A61P7/06 A61P9/00 A61P9/10 C12M1/00 C12M1/34 C12M1/36 C12M3/00 C12N0/00 C12N15/00 C12N5/00 C12N5/02 C12N5/06 C12N5/08

CPC: A61K35/51 A61K35/545 A61K2300/00 C12N2506/025 C12N5/0619 C12N5/0653 C12N5/0654 C12N5/0655 C12N5/0657 C12N5/0676 C12N2500/38 C12N2500/44 C12N2501/115 C12N2501/15 C12N2501/155 C12N2501/33 C12N2510/00 A61K35/644 A61K38/21 A61K45/06 A61K2035/122 C12N2500/25 C12N2500/36 C12N2500/42 C12N2501/11 C12N2501/135 C12N2501/39 C12N2533/52 C12N5/0603 C12N5/0668 C12N2510/02 A61L27/3834 C12M29/10 C12M47/04 C12N2500/90 A61K48/00 A61M2202/0462 A61M2210/1458 A61M2210/1466 C12N5/0068 C12N2509/00 C12N2533/90 C12N5/0678 C12N2513/00 A61K35/28 A61K9/0019 A01N1/021 C12N5/0605 A61M1/02 C12N2502/025 C12N5/0647 A61K2035/124 C12N2502/02 G01N33/56966 C12N5/0606 A61L27/3695 A61L2430/34 C12N5/0663 C12N5/0607 A61K35/12 A61K35/50

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US: 1/1 424/130.1 424/484 424/484P 424/520 424/529 424/582 424/583 424/85.4 424/85.400P 424/93.1 424/93.2 424/93.21 424/93.210P 424/93.7 424/93.700P 424/93.700S 434/1.2 434/173.1 434/173.2 435/1.1 435/1.2 435/1.200P 435/11 435/173.1 435/173.2 435/173.9 435/173.900S 435/2 435/284.1 435/289.1 435/29 435/29P 435/325 435/325S 435/363 435/366 435/366P 435/366S 435/368 435/368P 435/372 435/372S 435/374 435/374P 435/375 435/375S 435/377 435/377S 435/383 435/383S 435/395 435/402 435/41 435/455 435/455S 435/69.1 435/70.1 435/70.3

Family:

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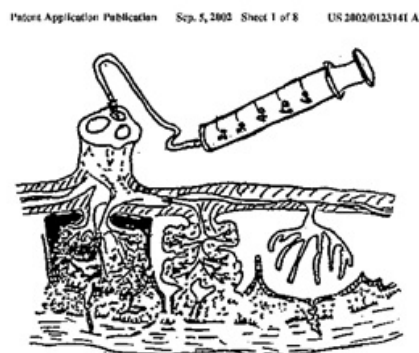


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Probable Assignee: CELULARITY INC

Assignee(s): (std): ANTHROGENESIS CORP ; ANTHROGENESIS CORP ANTHROGENESIS CORP ; ANTHROGENESIS CORP US ; ANTHROGENESIS CORPORATION ; DULANEY COLLEEN S ; HARIRI ROBERT J ; WANG JIA LUN ; YE QIAN ; FALECK HERBERT ; EDINGER JAMES W ; EDINGER JAMES ; YI QIAN ; ROBERT HARIRI ; ROBERT

J HARIRI ; HEIDARAN MOHAMMAD ; ZEITLIN ANDREW ; DULANEY COLLEEN SUZANNE ; WANG JAI LUN ; ANTHROGENESIS CORPORTION

Assignee(s): ANTHROGENESIS WARREN CORP ; CLARITY ACQUISITION II LLC ; CELULARITY INC ; ANTHROGENESIS CORP45 HORSEHILL ROADHANOVER TECHNICAL CENTERCEDAR KNOLLSNJ07927US ; ANTHROGENESIS CORPORATIONANTHROGENESIS CORP ; ANTHROGENESIS CORP WARREN

Inventor(s): (std): HERBERT FALECK ; JIA LUN WANG ; QIAN YE ; WANG JIA LUN ; YE QIAN ; ZEITLIN ANDREW ; YI QIAN ; WANG JAI LUN ; ROBERT J HARIRI ; EDINGER JAMES W ; FALECK HERBERT ; HARIRI ROBERT J ; HEIDARAN MOHAMMAD ; HARIRI ROBERT J HARIRI ROBERT J ; HARIRI ROBERT ; EDINGER JAMES ; DULANEY COLLEEN SUZANNE ; DULANEY COLLEEN S

Inventor(s): DULANEY COLLEEN ; ANTHROGENESIS CORPORATION ; HARIRI ROBERT J FLORHAM PARK ; HARIRI ROBERT JUS ; HARIRI ROBERT JHARIRI ROBERT J ; HARIRI ROBERT J BERNARDSVILLE ; JAMES W EDINGER

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OSLER HOSKIN AND HARCOURT LLP; SMART AND BIGGAR; JONES DAY RECHTSANWAELTE PATENTANWAELTE; WEBER MARTIN; JONES DAY; PIENING NIKLAS; PIENING NIKLAS ET AL; DE ELZABURU ALBERTO; ELZABURU SLP ELZABURU SLP; REINHOLD COHN AND PARTNERS; DR SHLOMO COHEN AND CO; KATAYAMA EIJI; OHMORI NORIO; KOBAYASHI HIROSHI; FUJITA TAKASHI; ISHII SADAJI; HIRAKI YUSUKE; JONES; INSOGNA ANTHONY M 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: METHODS OF USE OF FIBROBLAST GROWTH FACTOR, VASCULAR ENDOTHELIAL GROWTH FACTOR AND RELATED PROTEINS IN THE TREATMENT OF ACUTE AND CHRONIC **HEART** DISEASE

Abstract: Disclosed herein is a rational, multi-tier approach to the administration of growth factor proteins in the treatment of **heart** disease. Also disclosed is a method to evaluate the effectiveness of the administration of growth factor proteins comprising the clinical assay of CPK-MB levels in a patient undergoing treatment with growth factor proteins. In addition, there is disclosed a method for treatment of **heart** disease comprising administration of a therapeutically effective amount of a growth factor protein by oral inhalation therapy.

Classifications:

International (IPC 8-9): A61K35/12 A61K35/14 A61K35/28 A61K35/30 A61K35/32 A61K35/34 A61K35/44 A61K35/50 A61K35/51 A61K38/00 A61K38/18 A61K38/19 A61K45/00 A61K48/00 A61M25/00 A61P25/00 A61P25/28 A61P43/00 A61P9/00 A61P9/10 C07K14/475 C07K14/50 C07K14/52 C12N15/12 C12N5/02 C12N5/073 C12N5/0789 C12Q1/00 G01N33/68 (Advanced/Invention); A61K35/12 A61K48/00 (Advanced/Non-invention); A61K38/18 A61K38/19 A61K45/00 (Core/Invention)

International (IPC 1-7): A61K38/18 A61K45/00 A61K48/00 A61L9/04 C07K14/52 C07K5/00 C12N15/12 C12N5/02 C12N5/08 G01N33/68

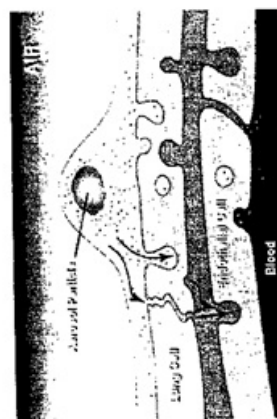
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European: A61K35/12 A61K35/14 A61K35/28 A61K35/30 A61K35/32 A61K35/44 A61K35/50 A61K35/51 A61K35/54A A61K38/18 A61K38/18C A61K38/18G A61K38/18G1 A61K38/19 A61K45/06 C12N5/06B11P C12Q1/50 G01N33/68V K61K35/12B K61K48/00 M12N799/02A61 M12N799/04 S01N800/32 S01N800/32D S01N800/32E

US: 424/43 424/43S 424/93.21 424/93.7 424/93.700P 424/93.700S 424/93.73 424/93.730P 435/372 435/372P 435/372S 435/4 435/4S 51/4.8 51/41.2 51/41.4 51/41.1 51/4/12 51/4/13.4 51/4/13.7 51/4/13.700S 51/4/14 51/4/14.7 51/4/14.700S 51/4/15.4 51/4/15.400S 51/4/16.4 51/4/16.400S 51/4/17.7 51/4/17.700S 51/4/18.2 51/4/18.200S 51/4/2 51/4/44 51/4/44.00RS 51/4/44R 51/4/7.6 51/4/7.600P 51/4/7.600S 51/4/8 51/4/8.1 51/4/8.100P 51/4/8.100S 51/4/9.1 51/4/9.100S 530/300 530/350 604/508 604/508P

PatBase - US2002058612_AA

Patent Application Publication May 16, 2002 Sheet 1 of 4 US 2002/0058612 A1



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: FRANCO WAYME

Assignee(s): (std): FRANCO WAYME ; FRANCO WAYNE ; FRANCO WAYNE P

Assignee(s): WAYNE P FRANCO ; WAYNE FRANCO ; NEW HEART BUSINESS DEVELOPMENT LLC ; CBR SYSTEMS INC

Inventor(s): (std): FRANCO WAYNE P ; FRANCO WAYNE

Inventor(s): WAYNE P FRANCO

Agent(s): HODGKINSON MCINNES PATENTS; IP SOLVED ANZ PTY LTD; RIDOUT AND MAYBEE LLP; ERNEST D BUFF ERNEST D BUFF AND ASSOCIATES LLC; ERNEST D BUFF AND ASSOCIATES LLC; THEODORE J; ERNEST D; ANAGNOSTOPOULOS HARRY; BUFF ERNEST D; HARRY

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 GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

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Priority:

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Probable Assignee: CHINESE UNIV OF HONG KONG

Assignee(s): (std): CHINESE UNIV OF HONG KONG ; CHIU ROSSA WAI KWUN ; UNIV HONG KONG CHINESE

Assignee(s): JIANG PEIYONG ; LO YUK MING DENNIS ; LUN MIU FAN ; CHINESE UNIV OF HONG KONG SHATIN NEW TERRITORIES ; CHAN KWAN CHEE ; CHAN WAI MAN

Inventor(s): (std): CHAN KWAN CHEE ; CHAN WAI MAN ; CHEE CHAN KWAN ; CHIU ROSSA WAI KWUN ; CHIU WAI KWUN ROSSA ; DENNIS LO YUK MING ; JIANG PEI YONG ; JIANG PEIYONG ; KWAN CHEE CHAN ; KWUN CHIU ROSSA WAI ; LO YUK MING DENNIS ; LUN MIU FAN ; MAN CHAN WAI ; MIU FAN LUN ; PEIYONG JIANG ; ROSSA WAI KWUN CHIU ; WAI MAN CHAN ; YUK MING DENNIS LO ; FAN LUN MIU

Inventor(s): FAN MIU LUN ; MAN WAI CHAN ; KWUN WAI ROSSA CHIU ; DENNIS YUK MING LO ; CHEE KWAN CHAN

Agent(s): GRIFFITH HACK; BENOIT AND COTE INC; PATENTANWALTSKANZLEI MEYER; MERRYWEATHER COLIN HENRY; J A KEMP; PONS ANGEL; KOGA TETSUJI; AOKI ATSUSHI; FUKUMOTO TSUMORU; ISHIDA TAKASHI; SPRUSON AND FERGUSON ASIA PTE LTD; YESIM METIN; KILPATRICK TOWNSEND AND STOCKTON LLP; DAVID B; GRIFFITH HACK AND CO

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 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 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

Title: OBSTETRICS **SIMULATION** AND TRAINING METHOD AND SYSTEM

Abstract: In the modern practice of obstetrics, the military is in the position of having experts in both **simulation** training for obstetric emergencies and teamwork training. The military has the potential to train better and provide the safest environment possible with these resources. Accordingly, an embodiment of the invention provides an obstetrics **simulation** system, comprising an articulating maternal birthing **simulator**. The maternal birthing **simulator** is a full size and full-body female having an intubable airway with a chest rise component, a forearm having a medication receiving component, and/or a **fetal heart** sound component. Additionally, the maternal birthing **simulator** includes a head descent and cervical dilation monitor, a placenta positionable in at least two locations, two or more removable dilating cervixes, and/or postpartum vulval suturing inserts.

Classifications:

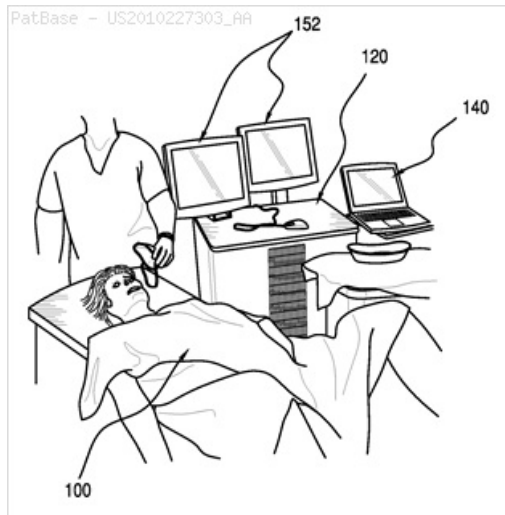
International (IPC 8-9): G09B23/28 G09B9/00 (Advanced/Invention); G09B23/00 (Core/Invention)

International (IPC 1-7): G09B23/28

CPC: G09B23/281

European: G09B23/28B

US: 434/262 434/262P 434/272 434/273 434/273P 434/275



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Priority:

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Probable Assignee: US ARMY MEDICAL RESEARCH AND MATERIEL COMMAND

Assignee(s): (std): DEERING SHAD H ; US ARMY ; US ARMY MED RES MAT COMMAND ; US GOV SEC ARMY ; US GOVERNMENT

Assignee(s): US ARMY MEDICAL RESEARCH AND MATERIEL COMMAND ; US ARMY MEDICAL RESEARCH AND MATERIAL COMMAND ; SECRETARY OF ARMY AS US GOV ; U S ARMY MEDICAL RESEARCH AND MATERIAL COMMAND ; THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE ARMY ; GOVERNMENT OF UNITED STATES REPRESENTED BYTHE SECRETARY OF ARMY AS ; SECRETARY OF ARMY US GOV AS ; GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE SECRETARY OF THE ARMY ; GOVERNMENT OF THE UNITED STATES AS REPRESENTED BYTHE SECRETARY OF THE ARMY ; GOVERNMENT OF UNITED STATES REPRESENTED BY SECRETARY OF ARMY AS ; U S ARMY MEDICAL RESEARCH AND MATERIEL COMMAND

Inventor(s): (std): DEERING SHAD H

Inventor(s): SHAD H DEERING

Agent(s): HALFORDS IP; VIERING JENTSCHURA AND PARTNER; OFFICE OF STAFF JUDGE ADVOCATE US ARMY MEDICAL RESEARCH AND MATERIEL COMMAND; ELIZABETH; OFFICE OF THE STAFF JUDGE ADVOCATE

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

Title: APPARATUS AND METHOD FOR DETECTING A **FETAL HEART RATE**

Abstract: An apparatus and method for detecting the **heart rate** of a **fetus**. The apparatus includes three detectors detecting **heart** beats of the **fetus**, each detector including at least two electrodes detecting ECG signals, the detectors being positioned on an abdomen of a mother in use. The apparatus also includes a processor coupled to the detectors, the processor being adapted to process the ECG signals received from the detectors and determine a **heart rate** of the **fetus**. The method of determining the **heart rate** of the **fetus** includes determining a position of the **fetus** within a womb, placing the detectors on an abdomen of the mother, monitoring the ECG signals obtained from the detectors for a predetermined length of time, and processing the ECG signals obtained from the detectors positioned on the abdomen of the mother to determine **heart** beats of the mother.

Classifications:

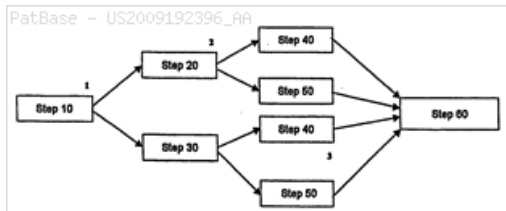
International (IPC 8-9): A61B5/024 A61B5/0444 (Advanced/Invention); A61B5/024 A61B5/0402 (Core/Invention)

International (IPC 1-7): A61B5/024 A61B5/0444

CPC: A61B5/02411 A61B5/0444 A61B5/4362

European: A61B5/024B A61B5/0444 A61B5/43F6E

US: 600/511 600/511P



Family:

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Priority:

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Probable Assignee: MONICA HEALTHCARE LTD

Assignee(s): (std): CROWE JOHN ; HAYES GILL BARRIE ; JAMES DAVID ; MONICA HEALTHCARE LTD ; UNIV NOTTINGHAM ; PIERI JEAN FRANCOIS

Assignee(s): OF NOTTINGHAM UNIV ; UNIVERSITY OF NOTTINGHAM ; NOTTINGHAM UNIV ; NOTTINGHAM UNIV OF ; MONICA HEALTHCARE LIMITED

Inventor(s): (std): CROWE JOHN ; HAYES GILL BARRIE ; JAMES DAVID ; PIERI JEAN FRANCOIS

Inventor(s): JOHN CROWE ; DAVID JAMES ; BARRIE HAYES GILL ; PIERI JEAN FRANCOIS 06400 ; JAMES DAVID WYSALL ; HAYES GILL BARRIE NOTTINGHAM ; CROWE JOHN NOTTINGHAM

Agent(s): SKONE JAMES ROBERT EDMUND; DE ELZABURU ALBERTO; STAAS AND HALSEY LLP

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 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 LI 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: SYSTEM AND METHOD FOR PHYSICIAN NOTE CREATION AND MANAGEMENT

Abstract: The present invention is a system and method for inputting physician notes associated with the admission, diagnosis and treatment of patients in a healthcare system. It can be used for those who are critically ill as well as those who are engaged in more routine medical care. The present invention reduces the risk of medical treatment by populating specific patient information throughout the patient care system so that current physician notes are combined with other information and made available rapidly to hospital personnel at all levels of patient care. The present invention also assists in analyzing data in relation to risk associated with management choices and managing the patient care to reduce assessed risk.

Classifications:

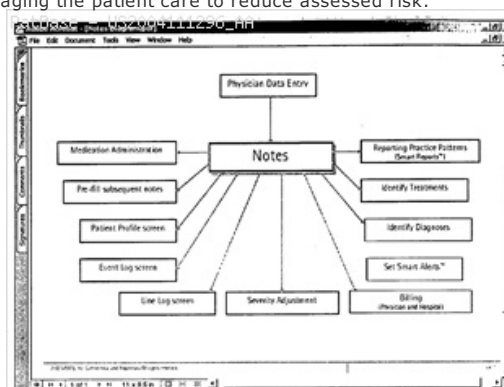
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International (IPC 1-7): A61B5/00 A61D1/267 C30B25/02 G06F17/60 G06F19/00 H01L21/00 H01L21/20 H01L21/336 H01L27/12 H01L29/786

IPC: G08B21/0211 A61B5/002 A61B5/0022 A61B5/0205 A61B5/412 G06F19/324 A61B5/021 A61B5/024 A61B5/145 A61B5/411 A61B5/4833 G06Q10/10 A61B5/7275 G08B21/0476 A61B5/4094 A61B5/407 C30B29/06 C30B1/02 H01L21/2022 A61B5/7465 A61B5/0006 G06Q30/04 A61B2505/03 G08B21/04 G08B21/182 G08B25/08 G09B23/28 G16H10/60 G16H80/00 Y02A90/22 Y02A90/26 G16H50/30 G16H40/20 H04L67/12 G06Q50/24 G06F19/325 G06F19/328 G06F19/3418 G06F19/3481 G06Q50/22 G16H50/20 G06F19/00 H01L21/02672 H01L21/02532 H01L29/66757

European: A61B5/00B A61B5/0205 A61B5/41B A61B5/41D A61B5/48H C30B1/02 G06F19/00A G06F19/00M5Y G06F19/32C G06F19/32E1 G06F19/32G G06F19/34C G06F19/34E G06F19/34K G06F19/34N G06Q10/10 G06Q30/04 G06Q50/22 G06Q50/24 G08B21/02A1C G08B21/04S5 H01L21/20D H01L29/66M6T6F15A2 H04L29/08N11 K61B5/00B K61B5/0205 K61B5/021 K61B5/024 K61B5/145 K61B5/72M2 S06F19/32C S06F19/32E S06F19/32E1 S06F19/32H

US: 117/103 117/923 117/929 117/939 117/95 117/97 128/920 128/920S 257/E21.133 257/E21.413 257/E21.413S 340/286.07 340/3.1 340/506 340/506S 340/517 340/521 340/524 340/525 340/539.12 340/539.120P 340/539.120S 340/539.18 340/573.1 340/573.100P 340/573.100S 340/8.1 340/825.36 340/825.49 340/870.01 348/14.01 348/14.010S 434/262 434/262S 438/166 438/166P 438/476 438/476S 600/300 600/300P 600/300S 600/301 600/301S 700/94 700/94S 702/2 705/2 705/2P 705/2S 705/3 705/34 705/3P 705/3S 706/47 706/47S 709/217 709/217S

**Family:**

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Priority:

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Probable Assignee: VISICU INC

Assignee(s): (std): BRESLOW MICHAEL ; ICUSA ; SEMICONDUCTOR ENERGY LAB ; VISICU INC ; ROSENFELD BRIAN ; ROSENFELD BRIAN A ; KONINKL PHILIPS ELECTRONICS NV

Assignee(s): VISICU INC BALTIMORE ; MIDDLETON PEST CONTROL INC ; PHILIPS ELECTRONICS N V KONINKLL ; PHILIPS ELECTRONICS KONINKLL NV ; VISICU ; SEMICONDUCTOR ENERGY LABORATORY CO ; SEMICONDUCTOR ENERGY LABORATORY CO LTD ; SEMICONDUCTOR ENERGY LABORATORY CO LTD A JAPAN CORP ; SEMICONDUCTOR ENERGY LABORATORY COLTD A JAPAN CORP ; SEMICONDUCTOR ENERGY LAB CO LTD ; ICUSA SUITE ; IMP BANK

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Inventor(s): BRESLOW MICHAEL LUTHERVILLE ; ROSENFELD BRIAN A M D BALTIMORE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; MEISSNER BOLTE PATENTANWALTE RECHTSANWALTE PARTNERSCHAFT MBB; VAN IERSEL HANNIE; SCHOUTEN MARCUS MARIA ET AL; ISERN JORGE; FISH AND RICHARDSON PC; ROBERTS ABOKHAIR AND MARDULA; ROBERTS MARDULA AND WERTHEIM LLC; PHILIPS INTELLECTUAL PROPERTY AND STANDARDS; MARBURY LAW GROUP PLLC

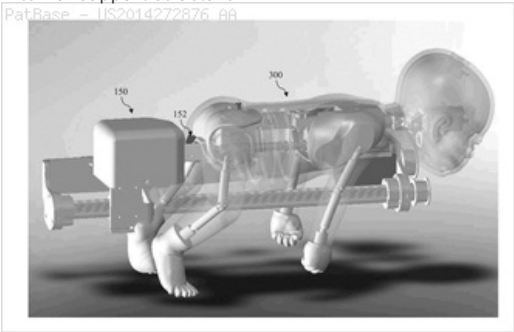
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Title: BIRTHING **SIMULATION** DEVICES, SYSTEMS, AND METHODS

Abstract: Devices, systems, and methods appropriate for use in medical training are disclosed. In some instances, a patient **simulator** system is provided that includes a maternal patient **simulator** and a **fetal** patient **simulator**. The maternal patient **simulator** includes an internal chamber sized to receive the **fetal** patient **simulator** and a birthing mechanism disposed within the internal chamber configured to translate and rotate the **fetal** patient **simulator** with respect to the maternal patient **simulator** to **simulate** a birth. In some instances, the **fetal** patient **simulator** an internal support structure that includes a head, spinal components, left arm components, right arm components, left leg components, and right leg components with a continuous silicon skin layer covering the internal support structure.

Classifications:

International (IPC 8-9): G09B23/28 G09B23/32
G09B9/00 (Advanced/Invention)
CPC: G09B23/32 G09B23/281
US: 1/1 434/267 434/270 434/273 434/274



Family:

Publication number	Publication date	Application number	Application date
US2014272876 AA	20140918	US20140213932	20140314
US2014272877 AA	20140918	US20140213962	20140314
US2017069233 AA	20170309	US20160355982	20161118
US9437117 BB	20160906	US20140213932	20140314
US9501953 BB	20161122	US20140213962	20140314
WO14144647 A1	20140918	WO2014US29147	20140314

Priority:

US20130801714P 20130315 US20140213932 20140314 US20140213962 20140314
US20160355982 20161118

Probable Assignee: GAUMARD SCIENTIFIC CO INC

Assignee(s): (std): GAUMARD SCIENT CO INC

Assignee(s): GAUMARD SCIENTIFIC CO INC

Inventor(s): (std): CARVAJAL MIGUEL ; EGGERT JOHN S ; FERNANDEZ VICTOR ; KARPf JEFFREY ; LURBE YOJANS ; MORALES LAZARO ; RODRIGUEZ ALBERTO

Agent(s): HAYNES AND BOONE LLP; WEBB GREG 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

Title: INTRAUTERINE GROWTH RESTRICTION - AND A POSTULATED TREATMENT MODALITY FOR CLINICAL RESEARCH AND IT'S BIOCHEMICAL RATIONALE

Abstract: Intrauterine **fetal** growth restriction (IUGR) is a very important clinical problem for which no satisfactory treatment is available so far. The current invention of IV hypertonic glucose supplementation to the mother to improve the glucose transfer to the **fetus** at the intervillous space by improved facilitated diffusion can be a safe and easy way of treating this problem, as the improved **fetal** blood glucose can lead to **fetal** lipogenesis that can conserve the **fetal** O₂ utilization, relieves the associated metabolic derangements of **fetal** hypoxia, hypercapnea, and acidosis, apart from replenishing the oxidized coenzymes needed for the carbohydrate metabolism. The use of transamniotic **fetal** feeding (TAF), studied by animal experiments, can be difficult in humans, because of the dangers of infection, which can be overcome by the use of implantable ports with the sterile patch technique.

Classifications:

International (IPC 8-9): A61K31/51 A61K31/70 A61K31/7004
A61K9/00 A61M25/00 A61M39/02 A61M39/04 A61M39/06 A61M5/172
C07H3/02 (Advanced/Invention);
A61K31/70 (Core/Invention)

International (IPC 1-7): A61K31/70

CPC: A61K31/7004 A61K31/51 A61K9/0019 A61M39/0208

A61M5/1723 A61M25/0017 A61M39/04 A61M2039/0205

A61M2039/0223 A61M2039/0235 A61K31/70 A61M25/00 A61M39/06

European: A61K31/70

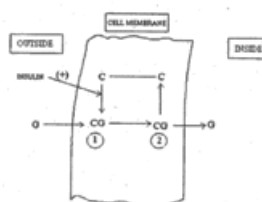
US: 514/23 514/23P 514/275 536/1.11 604/175 604/504 604/506

PatBase - US2004254121_AA

Patent Application Publication Dec. 16, 2004

US 2004/0254121 A1

DRAWING - 1



Family:

Publication number	Publication date	Application number	Application date
US2004254121 AA	20041216	US20030460170	20030613
US2014330246 AA	20141106	US20130815468	20130305
US8252750 BB	20120828	US20030460170	20030613
US8389483 BB	20130305	US20030460170	20030613
US9555052 BB	20170131	US20130815468	20130305

Priority:

US20030460170 20030613 US20130815468 20130305

Probable Assignee:

PATURU SUMATHI

Assignee(s): (std):

PATURU SUMATHI

Inventor(s): (std):

PATURU SUMATHI

Title: METHODS, COMPOSITIONS, AND FORMULATIONS FOR PREVENTING OR REDUCING ADVERSE EFFECTS IN A PATIENT

Abstract: The present invention provides methods, compositions, formulations, and kits related to acadesine, or a prodrug, analog, or salt thereof, and/or a blood clotting inhibitor for preventing or reducing adverse side effects in a patient. The type of patient that may benefit includes a patient with decreased left ventricular function, a patient with a prior myocardial infarction, a patient undergoing non-vascular surgery, or a fetus during labor and delivery.

Classifications:

International (ipc 8-9): A61K A61K31/4178 A61K31/616 A61K31/70 A61K31/7042 A61K31/7052 A61K31/7056 A61K31/706 A61K31/7072 A61K31/7076 A61K45/00 A61K9/00 A61K9/08 A61K9/10 A61K9/107 A61K9/19 A61K9/20 A61P15/00 A61P39/00 A61P41/00 A61P43/00 A61P7/02 A61P9/00 A61P9/04 A61P9/06 A61P9/10 C07H19/052 C07H19/067 (Advanced/Invention); A61K31/70 A61K31/7056 A61P9/10 C07D405/04 (Advanced/Non-invention);

A61K31/4164 A61K31/60 A61K31/70 A61K31/7042 A61K45/00 A61K9/08 A61K9/10 A61K9/19 A61P43/00 A61P7/00 A61P9/00 (Core/Invention); C07D405/00 (Core/Non-invention)

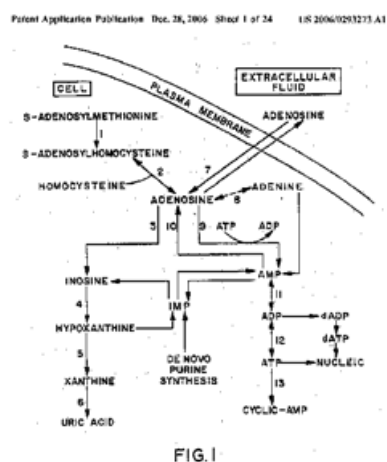
International (ipc 1-7): A61K31/70

CPC: A61K31/7076 A61K9/0053 A61K31/616 A61K31/7056

European: A61K31/7056 A61K31/7076

US: 514/42 514/43 514/45 514/45P 536/28.8

PatBase - US2006293273_AA



Family:

Publication number	Publication date	Application number	Application date
AU2006230242 AA	20061005	AU20060230242	20060328
AU2006230242 BB	20130530	AU20060230242	20060328
BRPI0608654 A2	20100119	BR2006PI08654	20060328
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IN07163DN2007 A	20071012	IN2007DN07163	20070917
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JP2015057436 A2	20150326	JP20140254924	20141217
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NO20075400 A	20071219	NO20070005400	20071023
NO342207 B1	20180416	NO20070005400	20071023
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US2006293273 AA	20061228	US20060277739	20060328
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Priority:

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Probable Assignee: PERICOR THERAPEUTICS INC

Assignee(s): (std): MANGANO DENNIS T ; PERICOR THERAPEUTICS INC
Inventor(s): (std): MANGANO DENNIS ; MANGANO DENNIS T
Inventor(s): DENNIS T MANGANO
Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; COLE WILLIAM GWYN; CUMMINGS ROSS MARTIN;
SPRUSON AND FERGUSON ASIA PTE LTD; WILSON SONSINI GOODRICH AND ROSATI; MORRISON AND
FOERSTER 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
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NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA
UG US UZ VC VN YU ZA ZM ZW

Title: ELECTRODE INTERFACE SYSTEM

Abstract: An electrode interface system for providing a connection between at least one electrode and a maternal-fetal monitor, wherein the interface system converts electrical muscle activity captured by the electrode(s) into uterine activity data signals for use by the maternal-fetal monitor. The electrode interface system of the invention preferably includes a conversion means for converting the signals from the electrode(s) into signals similar to those produced by a tocodynamometer.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0245 A61B5/03 A61B5/04

A61B5/0408 A61B5/0444 A61B5/0448 A61B5/0478 A61B5/0488

A61B5/0492 A61B5/103 A61B5/11 A61B8/02

H01R11/00 (Advanced/Invention);

A61B5/024 A61B5/0444 A61B5/0448 (Advanced/Non-invention);

A61B5/03 A61B5/04 A61B5/103 (Core/Invention);

A61B5/024 (Core/Non-invention)

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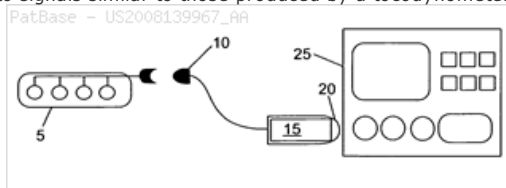
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European: A61B5/03F A61B5/04J A61B5/43F6E K61B5/024B

US: 1/1 439/502 600/300 600/304 600/376 600/382 600/382P 600/588 600/588P 600/588S 600/591 600/591P D24/187

Locarno class: 24/01

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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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 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 RW 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

Title: MATERNAL-FETAL MONITORING SYSTEM

Abstract: A maternal-fetal monitoring system for use during all stages of pregnancy, including antepartum and intrapartum stages. The maternal-fetal monitoring system of the subject invention comprises (1) a set of sensors; (2) an amplifying/filtering means; (3) a computing means; and (4) a graphical user interface. Accurate clinical data, which can be extracted and provided to the user in real-time using the system of the invention, include without limitation, maternal electrocardiogram (ECG) signals, maternal uterine activity signals (EHG), maternal heart rate, fetal ECG signals, and fetal heart rate. In a preferred embodiment, the maternal-fetal monitoring system of the invention includes an intelligence means, such as a neural network system, to analyze and interpret clinical data for use in clinical diagnosis antepartum, intrapartum and postpartum, as well as delivery strategy.

Classifications:

International (IPC 8-9): A61B10/00 A61B5/024 A61B5/04 A61B5/0444 A61B5/0488 A61B5/103 A61B5/117 A61N1/00 G06F17/00 (Advanced/Invention);

A61B5/00 A61B5/03 A61B5/0452 (Advanced/Non-invention);

A61B10/00 A61B5/024 A61B5/04 A61B5/0402 A61B5/0488

A61B5/103 A61B5/117 G06F17/00 (Core/Invention);

A61B5/00 A61B5/03 A61B5/0452 (Core/Non-invention)

International (IPC 1-7): A61B10/00 A61B5/00 A61B5/024 A61B5/04

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A61B5/7264

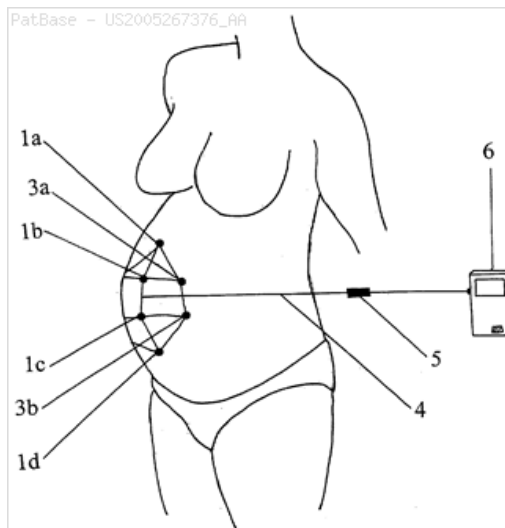
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**Family:**

Publication number	Publication date	Application number	Application date
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WO05117692 A3	20060427	WO2005US18753	20050527

Priority:

US20040857107 20040528 US20050140057 20050527 WO2005US18753 20050527

Probable Assignee: OF FLORIDA RESEARCH FOUNDATION INC UNIV

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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 GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: METHODS AND COMPOSITIONS FOR IN VITRO TARGETING

Abstract: The present invention concerns methods and compositions for in vivo and in vitro targeting. A large number of targeting peptides directed towards human organs, tissues or cell types are disclosed. The peptides are of use for targeted delivery of therapeutic agents, including but not limited to gene therapy vectors. A novel class of gene therapy vectors is disclosed. Certain of the disclosed peptides have therapeutic use for inhibiting angiogenesis, inhibiting tumor growth, inducing apoptosis, inhibiting pregnancy or inducing weight loss. Methods of identifying novel targeting peptides in humans, as well as identifying endogenous receptor-ligand pairs are disclosed. Methods of identifying novel infectious agents that are causal for human disease states are also disclosed. A novel mechanism for inducing apoptosis is further disclosed.

Classifications:

International (IPC 8-9): A01N43/04 A61K31/00 A61K31/225 A61K31/23 A61K31/56 A61K31/683 A61K31/685 A61K31/688 A61K31/70 A61K31/713 A61K35/00 A61K35/12 A61K35/14 A61K35/74 A61K35/76 A61K36/06 A61K38/00 A61K38/02 A61K38/03 A61K38/04 A61K38/06 A61K38/07 A61K38/08 A61K38/10 A61K38/16 A61K38/17 A61K38/19 A61K38/20 A61K38/21 A61K38/22 A61K38/43 A61K39/00 A61K39/02 A61K39/12 A61K39/21 A61K39/385 A61K39/395 A61K45/00 A61K47/42 A61K47/48 A61K48/00 A61K49/00 A61K49/04 A61K49/14 A61K51/00 A61K51/08 A61K9/127 A61K9/14 A61P1/00 A61P11/00 A61P13/02 A61P13/08 A61P15/00 A61P15/18 A61P19/02 A61P25/28 A61P27/02 A61P29/00 A61P3/04 A61P3/10 A61P31/00 A61P31/04 A61P31/10 A61P31/12 A61P31/18 A61P35/00 A61P35/02 A61P37/02 A61P37/04 A61P37/06 A61P43/00 A61P7/00 A61P7/12 A61P9/00 A61P9/10 B32B9/00 C07K1/04 C07K1/107 C07K14/00 C07K14/005 C07K14/47 C07K14/52 C07K14/54 C07K14/56 C07K14/705 C07K14/81 C07K16/00 C07K16/08 C07K16/18 C07K16/28 C07K16/30 C07K16/40 C07K16/42 C07K16/44 C07K16/46 C07K17/00 C07K17/02 C07K19/00 C07K2/00 C07K5/00 C07K5/08 C07K5/083 C07K5/10 C07K5/103 C07K7/00 C07K7/04 C07K7/06 C07K7/08 C07K7/28 C07K7/64 C07K9/00 C12N1/00 C12N1/16 C12N1/20 C12N1/21 C12N15/03 C12N15/07 C12N15/09 C12N15/10 C12N15/12 C12N15/63 C12N15/64 C12N15/73 C12N15/74 C12N15/75 C12N15/85 C12N15/86 C12N15/861 C12N15/864 C12N5/00 C12N5/06 C12N5/07 C12N5/071 C12N7/00 C12N7/02 C12N9/96 C12P21/00 C12P21/08 C12Q1/02 C12Q1/24 C12Q1/68 C12Q1/70 C40B30/00 C40B30/04 C40B40/02 C40B40/04 C40B50/06 C40B60/10 C40B60/12 G01N1/18 G01N33/50 G01N33/53 G01N33/554 G01N33/566 G01N33/567 G01N33/569 G01N33/57 G01N33/573 G01N33/574 G01N33/68 (Advanced/Invention); A61K38/00 A61K38/08 A61K48/00 A61K49/00 A61K51/04 C07K16/40 C07K5/00 C12N15/73 C12N9/48 G07N33/546 (Advanced/Non-invention); A01N43/02 A61K31/21 A61K31/56 A61K31/683 A61K31/70 A61K31/713 A61K35/12 A61K35/66 A61K38/00 A61K38/03 A61K38/04 A61K38/08 A61K38/16 A61K38/17 A61K38/19 A61K38/20 A61K38/21 A61K38/43 A61K39/00 A61K39/02 A61K39/12 A61K39/395 A61K45/00 A61K47/42 A61K47/48 A61K48/00 A61K49/00 A61K49/14 A61K49/00 A61K49/00 A61K51/02 A61K9/127 A61K9/14 A61P1/00 A61P13/00 A61P19/00 A61P29/00 A61P3/00 A61P31/00 A61P35/00 A61P37/00 A61P43/00 A61P7/00 A61P9/00 B32B9/00 C07K1/00 C07K14/00 C07K14/005 C07K14/43 C07K14/435 C07K16/08 C07K16/18 C07K16/40 C07K16/46 C07K17/00 C07K19/00 C07K2/00 C07K5/00 C07K7/00 C07K9/00 C12N1/00 C12N1/16 C12N1/20 C12N1/21 C12N15/03 C12N15/07 C12N15/09 C12N15/63 C12N15/73 C12N15/74 C12N15/861 C12N15/864 C12N5/00 C12N5/06 C12N7/00 C12N7/02 C12N9/96 C12P21/00 C12P21/08 C12Q1/02 C12Q1/68 C12Q1/70 C40B30/04 C40B40/02 C40B40/04 C40B50/06 G01N33/50 G01N33/53 G01N33/566 G01N33/567 G01N33/57 G01N33/573 G01N33/574 (Core/Invention); A61K38/00 A61K48/00 (Core/Non-invention)

International (IPC 1-7): A61K31/00 A61K31/225 A61K31/23 A61K31/56 A61K31/683 A61K31/685 A61K31/688 A61K31/713 A61K35/12 A61K35/14 A61K35/76 A61K38/00 A61K38/03 A61K38/04 A61K38/08 A61K38/10 A61K38/17 A61K39/00 A61K39/02 A61K39/12 A61K39/21 A61K39/395 A61K45/00 A61K47/42 A61K47/48 A61K48/00 A61K49/00 A61K49/14 A61P13/02 A61P13/08 A61P15/18 A61P19/02 A61P25/28 A61P27/02 A61P29/00 A61P3/04 A61P3/10 A61P31/04 A61P31/10 A61P31/12 A61P31/18 A61P35/00 A61P35/02 A61P37/02 A61P37/06 A61P43/00 A61P7/00 A61P9/00 A61P9/10 A61P9/00 A61P9/10 C07K14/00 C07K14/005 C07K14/47 C07K16/08 C07K16/18 C07K16/40 C07K16/42 C07K16/46 C07K17/00 C07K19/00 C07K2/00 C07K5/00 C07K5/08 C07K5/083 C07K5/10 C07K7/00 C07K7/04 C07K7/06 C07K7/08 C12N1/21 C12N15/03 C12N15/07 C12N15/09 C12N15/63 C12N15/73 C12N15/74 C12N15/75 C12N15/85 C12N15/86 C12N5/00 C12N5/08 C12N7/00 C12N7/02 C12P21/00 C12P21/08 C12Q1/02 C12Q1/24 C12Q1/68 C12Q1/70 G01N1/18 G01N33/50 G01N33/53 G01N33/554 G01N33/566 G01N33/567 G01N33/569 G01N33/574

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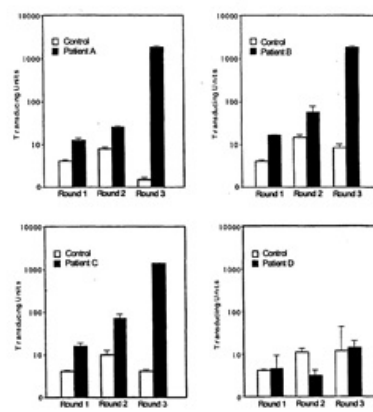
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FIG. 1



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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: BOARD OF REGENTS UNIV OF TEXAS SYSTEM

Assignee(s): (std): ARAP WADIIH ; BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM ; KOLONIN MIKHAIL G ; MINTZ PAUL J ; BOARD OF REGENTS UNIV TEXAS SYSTEM ; GIORDANO RICARDO J ; KOLONIN MIKHAIL ; REGENTS BOARD OF ; UNIV TEXAS ; PASQUALINI RENATA ; ZURITA AMADO J ; REGENTS THE UNIV OF TEXAS SYSTEM BOARD OF ; REGENTS UNIV OF TEXAS SYSTEM BOARD OF

Assignee(s): OF TEXAS SYSTEM UNIV ; SECRETARY OF ARMY MEDICAL RESEARCH AND MATERIEL COMMAND US GOV ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH DIRECTOR DEITR ; SECRETARY OF ARMY MEDICAL RESEARCH AND MATERIEL CO ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH ; THE BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM ; THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM ; THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEMS ; THE BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTE ; THE UNIVERSITY OF TEXAS SYSTEM ; BOARD OF REGENTS UNIV OF TEXAS ; BOARD OF REGENTS UNIV OF TEXAS SYSTE ; BOARD OF UNIV TEXAS SYSTEM ; NATIONAL INST ; BOARD OF UNIV OF TEXAS SYSTEM ; BOARD OF UNIV OF TEXAS SYSTEMS ; BOARD OF REGENTS UNIV OF TEXAS SYSTEMS ; BOARD OF REGENTS UNIV IF TEXAS SYSTEM ; NATIONAL INSTITUTES OF HEALTH ; BOARD OF REGENTS UNIV OF TEXAS SYSTEM ; BOARD OF REGENTS UNIV ; BOARD OF REGENTS ; BOARD OF REGENTS THE UNIV OF TEXAS SYSTEM ; BOARD OF REGENTS THE UNIVERSITY OF TEXAS ; BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTE

Inventor(s): (std): AMADO J ZURITA ; KOLONIN MIKHAIL ; MIKHAIL G KOLONIN ; PAUL J MINTZ ; RENATA PASQUALINI ; WADIIH ARAP ; ZURITA AMADO J ; PASQUALINI RENATA ; MINTZ PAUL J ; KOLONIN MIKHAIL G ; GIORDANO RICARDO J ; ARAP WADIIH

Inventor(s): ZURITA AMADO ; MINTZ PAUL ; GIORDANO RICARDO

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; RICHES MCKENZIE AND HERBERT LLP; GOUDREAU GAGE DUBUC; BECKER KURIG STRAUS; WEISS WOLFGANG ET AL; SHIMIZU HATSUSHI; DAVID L PARKER FULBRIGHT AND JAWORSKI LLP; STEVEN L HIGHLANDER FULBRIGHT AND JAWORSKI; DAVID L PARKER, FULBRIGHT AND JAWORSKI; DAVID L PARKER FULBRIGHT AND JAWORSKI; FULBRIGHT AND JAWORSKI LLP; PARKER HIGHLANDER PLLC

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 EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Title: WIRELESS ELECTROCARDIOGRAPHIC MONITORING SYSTEM

Abstract: An electrocardiographic monitoring system in which the **heart**-signal sensing electrodes are each coupled to the **heart**-signal monitor/recorder by respective wireless transmitters and corresponding respective receiving wireless receivers in a base unit, each transmitter-receiver combination operating (in the absence of an encoding system) at a separate radio frequency, a zero or reference signal being developed at the base unit and being used to modulate a signal transmitter at the base unit, such modulated signal being received and demodulated by a receiver carried by a right-leg electrode carried by the right leg of the patient.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/04 A61B5/0402
A61B5/0404 A61B5/0408 A61B5/0428 A61B5/0478

A61B5/0492 (Advanced/Invention);

A61B5/04 A61B5/0402 (Advanced/Non-invention);

A61B5/00 A61B5/04 A61B5/0402 A61B5/0408

A61B5/0488 (Core/Invention);

A61B (Subclass/Invention)

International (IPC 1-7): A61B5/00 A61B5/04 A61B5/040

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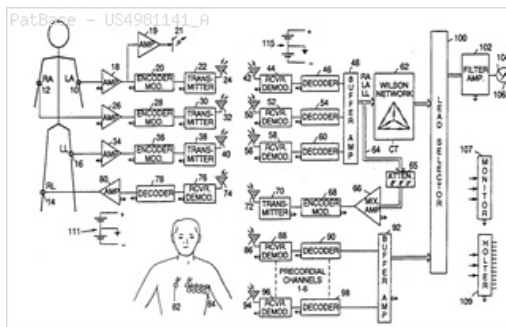
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A61B5/41D K61B560/04B2 K61B560/04L2

US: 128/639 128/640 128/696 128/710 128/903 364/413.06 600/372 600/391 600/393 600/508 600/509 600/523

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

US19890310660	19890215	US19900473887	19900207	CA19902009804	19900212
WO1990US00672	19900212	IL19900093389	19900213	US19900570616	19900821
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US19940273535	19940503	US19940330526	19941028	IL19940111657	19941116

Probable Assignee: SEGALOWITZ JACOB BEVERLY HILLS CALIF US

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Assignee(s): JACOB SEGALOWITZ ; SEGALOWITZ JACOB BEVERLY HILLS CALIF ; SEGALOWITZ JACOB BEVERLY HILLS CALIF US

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Inventor(s): SEGALOWITZ JACOB BEVERLY HILLS CALIF

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

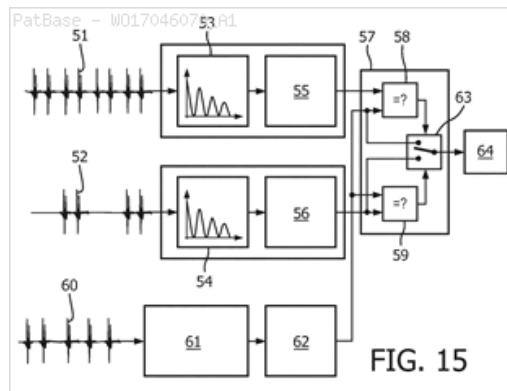
Title: DEVICE AND METHOD FOR DETERMINING **FETAL HEART RATE**

Abstract: The invention relates to determining a **fetal heart rate** from an ultrasonic Doppler echo signal, which comprises at least two channels, including a first channel obtained for a first depth range and a second channel obtained for a second depth range. A first **heart rate** is determined from the first channel (51, 53, 55) and a second **heart rate** is determined from the second channel (52, 54, 56). External information on the **fetal heart rate** and/or the maternal **heart rate**, extracted from an independent source (60, 61, 62) such as an ECG, is used to select one of the first **heart rate** and the second **heart rate** as the **fetal heart rate** to be determined. A preferred embodiment provides for elimination of double counting **heart rates** by cutting out unwanted signal contributions. The disclosure further provides for an adaptive signal processing and data acquisition controlled by patient related data.

Classifications:

International (IPC 8-9): A61B8/02 A61B8/08 (Advanced/Invention)

CPC: A61B8/02 A61B8/0866 A61B8/467 A61B8/488 A61B8/5207 A61B8/5269 A61B8/5292 A61B5/022 A61B5/02411 A61B5/02416 A61B5/1102 A61B5/0245

**Family:**

Publication number	Publication date	Application number	Application date
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■ CN108289653 A	20180717	CN201680066349	20160830
■ EP3349661 A1	20180725	EP20160757914	20160830
■ EP3349662 A1	20180725	EP20160766531	20160913
■ WO17045915 A1	20170323	WO2016EP70429	20160830
■ WO17046070 A1	20170323	WO2016EP71530	20160913

Priority:

EP20150185290 20150915 EP20160185458 20160824 WO2016EP70429 20160830
 WO2016EP71530 20160913

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): PHILIPS KONINKLL NV

Inventor(s): (std): BEITINGER HARRY ; GEYWITZ HANSJOERG ; WOHLISCHLAGER MARKUS

Agent(s): DE HAAN POUL ERIK; VELIGURA ALINA VIKTORIVNA; LEDEBOER JOHANNES ALBERTUS 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 KW 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 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

Title: EXTRACELLULAR MATRIX COMPOSITIONS

Abstract: The present invention is directed to a method of producing compositions including embryonic proteins. The method includes culturing cells under hypoxic conditions on a biocompatible three-dimensional surface in vitro. The culturing method produces both soluble and non-soluble fractions, which may be used separately or in combination to obtain physiologically acceptable compositions useful in a variety of medical and therapeutic applications.

Classifications:

International (ipc 8-9): A61F2/00 A61K35/00 A61K35/12 A61K35/33 A61K35/54 A61K35/545 A61K38/00 A61K38/16 A61K38/17 A61K38/18 A61K38/39 A61K47/42 A61K8/64 A61K8/65 A61K8/98 A61K9/00 A61L15/32 A61L27/00 A61L27/22 A61L27/34 A61L27/38 A61L29/00 A61L29/08 A61L31/00 A61L31/10 A61P1/00 A61P17/00 A61P17/02 A61P17/14 A61P19/00 A61P19/02 A61P19/04 A61P27/02 A61P29/00 A61P41/00 A61P9/00 A61P9/10 A61Q19/00 A61Q19/08 A61Q7/00 C07K14/00 C07K14/435 C07K14/47 C07K14/485 C07K14/78 C07K7/50 C12M3/00 C12M3/02 C12N C12N15/00 C12N15/02 C12N5/00 C12N5/02 C12N5/07 C12N5/071 C12N5/073 C12N5/0735 C12N5/077 C12N5/0775 C12N5/0797 C12N5/08 C12P21/00 C12P21/02 C12P21/04 C12P21/06 (Advanced/Invention); A61K38/00 C07K14/475 C07K14/78 (Advanced/Non-invention); A61F2/00 A61K35/12 A61K38/16 A61K9/00 A61P17/00 A61P19/00 A61P9/00 C07K14/00 C07K14/435 C12N5/00 C12N5/02 C12N5/071 C12N5/0735 C12N5/077 C12P21/00 C12P21/06 (Core/Invention)

International (ipc 1-7): C12N5/08

CPC: A61K35/33 A61K35/54 A61K38/18 A61K38/1866 A61K38/39 A61K35/28 A61K8/64 A61K38/1709 A61L27/54 A61L2300/252 A61L2300/414 A61L2300/45 A61Q19/00 A61Q19/06 C12N2533/54 C07K14/78 C12N2502/1323 A61K8/982 A61Q7/00 A61Q19/08 C12N5/069 A61L27/34 A61L29/085 A61L31/10 C12N2501/165 C12N2501/415 C12N5/0602 C07K7/50 C12M3/02 A61K38/00 A61L27/227 A61L27/3834 A61L27/3895 C07K14/47 C12N5/0068 C12N5/0627 C12N5/0656 C12N2500/02 C12N2500/90 C12N2533/90 C12N5/0075 A61K8/981 C12N5/0662 A61K35/545

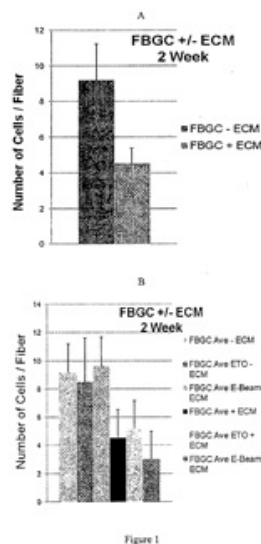
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PatBase - US2010047305_AA

Patent Application Publication Feb. 25, 2010 Sheet 1 of 12 US 2010/047305 A1



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20080024854P 20080130	US20080034361P 20080306	US20080050940P 20080506
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Probable Assignee: HISTOGEN INC

Assignee(s): (std): BAUMGARTNER MARK ; HISTOGEN INC ; NAUGHTON GAIL K ; ZIEGLER FRANK ; NICKEY KYLE ; KHISTODZHEN INK

Assignee(s): ZEIGLER FRANK ; HISTOGEN INC SAN DIEGO

Inventor(s): (std): FRANK ZEIGLER ; NAUGHTON GAIL K ; NIKI KAJL ; NOTON GEJL K ; ZEJGLER FRENK ; ZIEGLER FRANK ; NICKEY KYLE ; NAUGHTON GAIL K ; BAUMGARTNER MARK ; ZEIGLER FRANK ; MARK BAUMGARTNER ; KYLE NICKEY ; GAIL K NAUGHTON ; FRANK ZIEGLER

Inventor(s): ZEIGLER FRANK ANN ARBOR ; NICKEY KYLE VISTA ; GAIL K NAUGHTON ; K GAIL NAUGHTON ; NAUGHTON GAIL K SAN DIEGO ; BAUMGARTNER MARK SAN DIEGO

Agent(s): FB RICE; FB RICE PTY LTD; MBM INTELLECTUAL PROPERTY LAW LLP; CORNISH KRISTINA VICTORIA JOY; ISERN JORGE; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; PATPOV EENAZINOJ; VIERING JENTSCHURA AND PARTNER LLP; TOLGA CAYLAK; DLA PIPER LLP (US); DLA PIPER LLP; HAILE LISA A

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 RO RS RU 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

Title: METHODS AND COMPOSITIONS FOR TREATING PAIN

Abstract: Methods and compositions are described for the modulation of central nervous system and/or fetal effects of substances. Methods and compositions are described for the modulation of efflux transporter activity to increase the efflux of drugs and other compounds out of a physiological compartment and into an external environment. In particular, the methods and compositions disclosed herein provide for the increase of efflux transporter activity at blood-brain, blood-CSF and placental-maternal barriers to increase the efflux of drugs and other compounds from physiological compartments, including central nervous system and fetal compartments.

Classifications:

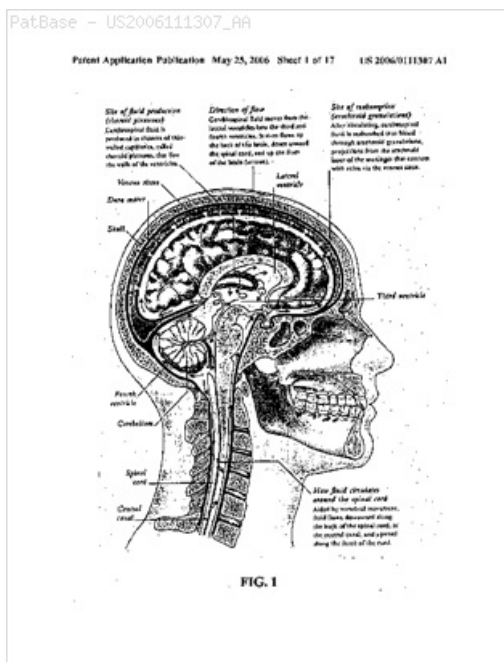
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International (IPC 1-7): A61K31/335

CPC: A61K31/137 A61K31/353 A61K31/551 A61K31/7024 A61K31/7048 A61K45/06 A61K31/352 A61K31/195 A61K31/573 A61K31/7008 A61K31/445 A61K31/485 A61K31/55

European: A61K31/137 A61K31/195 A61K31/352 A61K31/353 A61K31/445 A61K31/485 A61K31/55 A61K31/551 A61K31/573 A61K31/7008 A61K31/7024 A61K31/7048 A61K45/06

US: 514/171 514/171S 514/217 514/217S 514/220 514/220S 514/23 514/23S 514/27 514/27P 514/282 514/317 514/317S 514/456 514/456S 514/561 514/561S

**Family:**

Publication number	Publication date	Application number	Application date
AU2005307772 AA	20060526	AU20050307772	20051116
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AU2007329761 AA	20080612	AU20070329761	20071026
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EP1817023 A2	20070815	EP20050849411	20051116
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HK1113076 A3	20080926	HK20080101694	20080215
IL183093 A0	20080413	IL20050183093	20051116
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JP2008520584 T2	20080619	JP20070541477T	20051116
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US2009088394 AA	20090402	US20080204213	20080904
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WO08070346 A2	20080612	WO2007US82691	20071026
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ZA200704140 A	20080827	ZA20070004140	20051116

Priority:

US20040628646	20041116	US20040628646P	20041116	US20050281984	20051116
US20050281771	20051116	WO2005US41608	20051116	US20060553924	20061027
WO2007US82691	20071026	US20080203703	20080903	US20080204213	20080904

Probable Assignee: LIMERICK NEUROSCIENCES INC

Assignee(s): (std): EFFLUX TECHNOLOGY INC ; LIMERICK BIOPHARMA INC ; LIMERICK NEUROSCIENCE INC ; LIMERICK NEUROSCIENCES INC ; ROBBINS WENDY

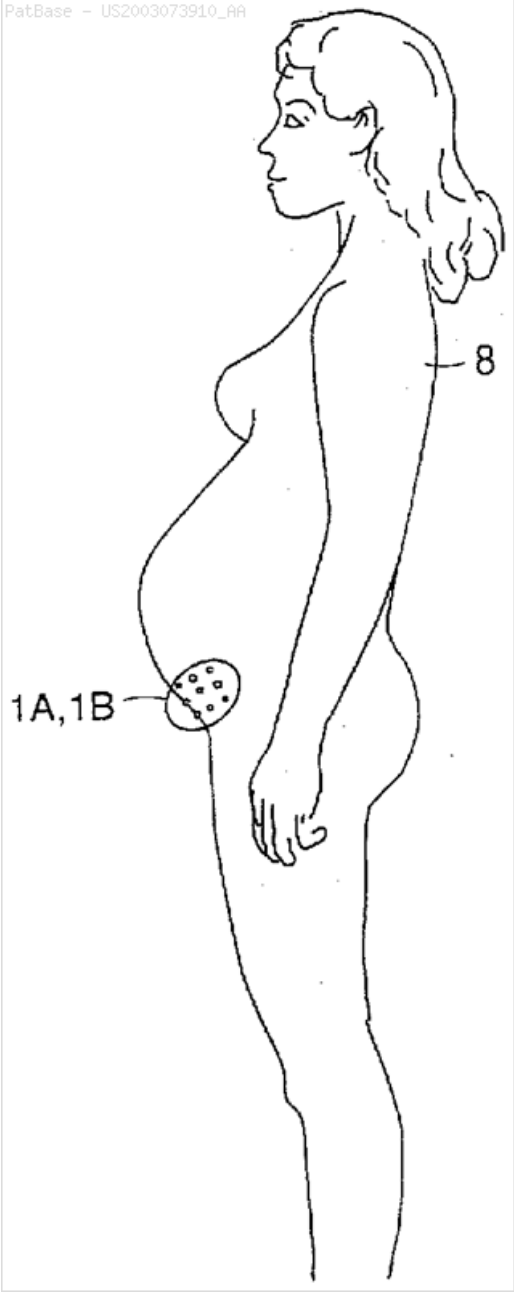
Assignee(s): LIMERICK NEUROSCIENCEES INC
Inventor(s): (std): ROBBINS WENDYE ; WENDYE ROBBINS
Agent(s): FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; FISHER ADAMS KELLY; SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; WILSON SONSINI GOODRICH AND ROSATI; WITT ERIC ET AL; REAMY ROBERT H ET AL
Designated states: AE AG AL AM 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: TRANSABDOMINAL EXAMINATION, MONITORING AND IMAGING OF TISSUE

Abstract: An optical examination technique employs an optical system (15, 45, 100, 150, 200, 260 or 300) for in vivo, non-invasive examination of internal tissue of a subject. The optical system includes an optical module (12 or 14), a controller and a processor. The optical module is arranged for placement on the exterior of the abdomen or chest. The module includes an array of optical input ports and optical detection ports located in a selected geometrical pattern to provide a multiplicity of photon migration paths targeted to examine a selected tissue region, such as an internal organ or an in utero fetus. Each optical input port is constructed to introduce into the examined tissue visible or infrared light emitted from a light source. Each optical detection port is constructed to provide light from the tissue to a light detector. The controller is constructed and arranged to activate one or several light sources and light detectors so that the light detector detects light that has migrated over at least one of the photon migration paths. The processor receives signals corresponding to the detected light and forms at least one data set used for tissue examination.

Classifications:

International (IPC 8-9): A61B10/00 A61B5/00 A61B5/02 A61B5/05 A61B5/145 A61B5/1455 A61B5/1464 A61B6/00 A61B8/00 G01N21/17 (Advanced/Invention); A61B10/00 A61B5/00 A61B5/145 A61B6/00 G01N21/17 (Core/Invention)
International (IPC 1-7): A61B10/00 A61B5/00 A61B5/145 A61B6/00 G01N21/17
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US: 600/322 600/322S 600/323 600/323P 600/328 600/328P 600/329 600/340 600/407 600/407P 600/407S 600/431 600/437 600/437S 600/472 600/472S 600/473 600/473P 600/473S 600/475 600/476 600/476P 600/476S 600/477 600/479 600/500 600/500S



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Priority:

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Probable Assignee: NON INVASIVE TECHNOLOGY INC

Assignee(s): (std): CHANCE BRITTON ; NON INVASIVE TECHNOLOGY INC ; NON INVASIVE TECHNOLOGY INC A

Assignee(s): NON INVASIVE TECHNOLOGY INC A DELAWARE CORP

Inventor(s): (std): CHANCE BRITTON

Agent(s): SHAPIRO COHEN; AVENTUM IP LAW LLP; WAGNER KARL H; MOTOMIYA TERUHISA; FUJINO IKUO; TAKANASHI NORIMICHI; UBUKATA KAZUO; KATO NOBUAKI; TAKAHASHI SEIICHIRO; OCHI TAKAO; USUI SHINICHI; OKABE MASAO; YOSHIZAWA HIROSHI; ASAHI NOBUMITSU; OKABE YUZURU; FISH AND RICHARDSON PC; IVAN DAVID ZITKOVSKY PHD PC; IAN DAVID; IVAN DAVID

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

Title: PHYSIOLOGIC PULSATILE PUMP

Abstract: A pulsatile blood circulating pump system that is adapted for use in cardiopulmonary bypass, ventricular assist (LVAD, RVAD, BiVAD), ECMO, organ preservation, **fetal** cardiac bypass, cancer treatment, and various areas of circulation research, which can be controlled in such a way as to produce a desired blood flow that closely approximates the physiological blood flow of the patient. The pump system includes a pulsating mechanism having a housing defining a chamber within which a compressible-expandable bladder is sealably mounted. The system further includes a hydraulic actuator having a pressure imparting member that acts upon a pressure transmissive **fluid** contained within the actuator chamber in a manner to generate a pulsatile pressure on the transmissive **fluid**, which, in turn, results in a pulsatile pressure being exerted on bladder in a manner to controllably vary the volume thereof. Additionally, the system includes a compact, highly reliable voice-**coil motor** that is operably associated with the hydraulic actuator for controllably moving the pressure imparting member within the **fluid** chamber and further includes a fully programmable motion controller that controls the voice-**coil motor**. Further, the system includes a programmable touch-screen component that functions to control the motion controller.

Classifications:**International (IPC 8-9):** A61H31/00 A61M1/10 A61M1/36

A61N1/362 (Advanced/Invention);

A61H31/00 A61M1/10 (Core/Invention)

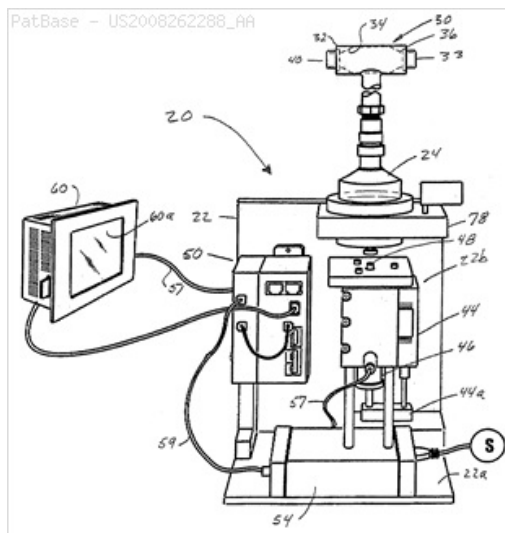
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A61M1/106

European: A01N1/02M2P A61M1/10E4H A61M1/10E51

A61M1/36C10 K61M205/50A1 K61M240/02

US: 422/44 422/45 600/16 600/16P 600/17 604/4.01 604/4.010S**Family:**

Publication number	Publication date	Application number	Application date
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US2012245405 AA	20120927	US20120468972	20120510
US7785247 BB	20100831	US20070788585	20070420
US8425396 BB	20130423	US20100806918	20100823
US8540617 BB	20130924	US20120468972	20120510

Priority:

US20070788585 20070420

US20100806918 20100823

US20110518711P 20110510

US20120468972 20120510

Probable Assignee: MEDICAL ENGINEERING CO LLC**Assignee(s):** (std): MEDICAL ENGINEERING CO LLC ; TATUM TANI ; WALKER STEPHEN ; WILSON BOB ; WILSON BON ; WILSON ROBERT W**Assignee(s):** MEDICAL ENGINEERING CO**Inventor(s):** (std): TATUM TANI ; WALKER STEPHEN ; WILSON BOB ; WILSON BON ; WILSON ROBERT W**Agent(s):** JAMES E BRUNTON ESQ; JAMES E; PARSONS BEHLE AND LATIMER

Title: Apparatus and method for non-invasive, passive fetal heart monitoring

Abstract: An apparatus and method for fetal heart and maternal heart and uterine monitoring is provided which acquire biopotential waveforms indicative of the mother's heart beat from sensors located at or near the mother's chest, and waveforms indicative of the combined maternal and fetal heart beats from abdominal sensors located on the mother's abdomen, lower back, or both. The signals from the abdominal sensors are divided into a plurality of channels. An adaptive signal processing filter (ASPF) algorithm or other suitable algorithm is then used to cancel the estimated maternal waveform from each channel derived from the abdominal sensors. The system then selects from the resulting waveforms at least one waveform to serve as the reference fetal waveform. The reference waveform is then processed against the other abdominal waveforms preferably using the ASPF algorithm again to form an enhanced fetal signal that is a representation of the fetus's biopotential electrocardiogram (EKGf). The EKGf can subsequently be used to measure fetal heart rate and other biophysical profile parameters. Surface electromyogram (EMG) signals allow for concurrent monitoring of uterine contractions and afford improved cancellation of motion artifacts.

Classifications:

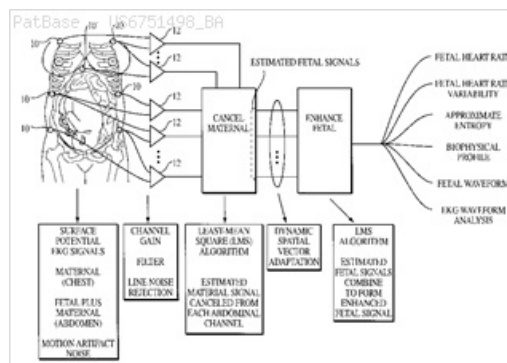
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International (IPC 1-7): A61B5/02 A61B5/04 A61B5/0408 A61B5/042 A61B5/0428 A61B5/0444 A61B5/0452 A61B5/0488 A61B5/0492

CPC: A61B5/02405 A61B5/02411 A61B5/04085 A61B5/0428 A61B5/0444 A61B5/4362

European: A61B5/024A A61B5/0428 A61B5/0444 A61B5/43F6E K61B5/024B K61B5/0408D

US: 600/511



Family:

Publication number	Publication date	Application number	Application date
AU200037367 A1	20001004	AU20000037367	20000310
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AU758778 B2	20030327	AU20000037367	20000310
CA2345720 AA	20010328	CA20002345720	20000310
CA2345720 C	20050104	CA20002345720	20000310
EP1168961 A2	20020109	EP20000916231	20000310
EP1168961 A4	20030502	EP20000916231	20000310
JP2002538872 T2	20021119	JP20000604738T	20000310
US6751498 BA	20040615	US20000522664	20000310
WO0054650 A2	20000921	WO2000US06295	20000310
WO0054650 A3	20010215	WO2000US06295	20000310

Priority:

US19990124447P 19990315 US20000522664 20000310 WO2000US06295 20000310

Probable Assignee: JOHNS HOPKINS UNIV

Assignee(s): (std): JOHNS HOPKINS UNIV ; UNIV JOHNS HOPKINS

Assignee(s): THE JOHNS HOPKINS UNIVERSITY ; STERNBERGER WAYNE I ; MOSES EDWARD J ; CRISTION JOHN A ; GREENBERG ROBERT S

Inventor(s): (std): CHRISTION JOHN A ; CRISTION JOHN A ; GREENBERG ROBERT S ; MOSES EDWARD J ; STERNBERGER WAYNE I ; WAYNE I STERNBERGER ; ROBERT S GREENBERG ; JOHN A CRISTION ; EDWARD J MOSES

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP; HARA KENZO

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM 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 LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX 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 UZ VN YU ZA ZW

Title: SYSTEMS AND METHODS FOR MEASURING OXYGENATION

Abstract: Optoacoustic diagnostic systems, devices, and methods are described. A system may comprise a console unit and a handheld probe. The console unit comprises a controller, a processor, a photodiode array, an acoustic processing subsystem, and a cooling subsystem. The probe directs light signals from the photodiode array to patient tissue. The light signals each have different wavelengths selected based on the physiological parameter of interest. The probe further comprises an acoustic transducer that receives acoustic signals generated in response to the directed light signals. The probe may comprise a finger-held working end that can be directed to the skull of a fetus within the uterus during labor. The probe can then accurately determine blood oxygenation of the fetus to determine if a caesarian section is necessary.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/145 A61B5/1455

A61B5/1459 A61B5/1464 (Advanced/Invention)

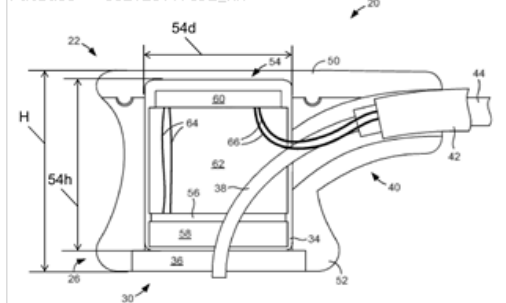
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A61B5/1459 A61B2560/0425

US: 1/1 600/309 600/407

PatBase - US2016007892_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2015287867 AA	20160114	AU20150287867	20150708
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EP3166494 A1	20170517	EP20150818510	20150708
EP3166494 A4	20180321	EP20150818510	20150708
JP2017520385 T2	20170727	JP20170522450T	20150708
US2016007892 AA	20160114	US20150794022	20150708
US2016007895 AA	20160114	US20150793969	20150708
US2016015304 AA	20160121	US20150794037	20150708
US9380967 BB	20160705	US20150793969	20150708
WO16007678 A1	20160114	WO2015US39620	20150708

Priority:

US20070101891	20070411	US20120538687	20120629	US20140021946P	20140708
US20150168081P	20150529	US20150680081P	20150529	US20150793969	20150708
US20150794022	20150708	US20150794037	20150708	WO2015US39620	20150708

Probable Assignee: BOARD OF UNIV OF TEXAS SYSTEM

Assignee(s): (std): BOARD OF UNIV OF TEXAS SYSTEM ; COOPER TOMMY G ; ESENALIEV RINAT ; ESENALIEV RINAT INC ; PETROV YURIY ; PROUGH DANIEL S ; PETROV IRENE ; SAADE GEORGE ; OLSON GAYLE L ; NONINVASIX INC ; UNIV TEXAS

Assignee(s): NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; PROUGH DONALD

Inventor(s): (std): COOPER TOMMY G ; ESENALIEV RINAT ; OLSON GAYLE L ; PETROV IRENE ; PETROV YURIY ; PROUGH DANIEL S ; PROUGH DONALD S ; SAADE GEORGE

Inventor(s): PROUGH DONALD

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING WLG CANADA LLP; CLARK JANE ANNE; CHAN DARBY 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 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

Title: DIARYL AND ARYLHETEROARYL UREA DERIVATIVES AS MODULATORS OF THE 5-HT_{2A} SEROTONIN RECEPTOR USEFUL FOR THE PROPHYLAXIS AND TREATMENT OF DISORDERS RELATED THERETO

Abstract: The present invention relates to certain pyrazole derivatives of Formula (I) and pharmaceutical compositions thereof that modulate the activity of the 5-HT_{2A} serotonin receptor. Compounds and pharmaceutical compositions thereof are directed to methods useful in the prophylaxis or treatment of platelet aggregation, coronary artery disease, myocardial infarction, transient ischemic attack, angina, stroke, atrial fibrillation, reducing the risk of blood clot formation, asthma or symptoms thereof, agitation or a symptom, behavioral disorders, drug induced psychosis, excitative psychosis, Gilles de la Tourette's syndrome, manic disorder, organic or NOS psychosis, psychotic disorder, psychosis, acute schizophrenia, chronic schizophrenia, NOS schizophrenia and related disorders, and sleep disorders, sleep disorders, diabetic-related disorders and the like. The present invention also relates to the method of prophylaxis or treatment of 5-HT_{2A} serotonin receptor mediated disorders in combination with a dopamine D₂ receptor antagonist such as haloperidol, administered separately or together.

Classifications:

International (IPC 8-9): A61K31/41 A61K31/415 A61K31/4152 A61K31/4155 A61K31/45 A61K31/454 A61K31/49 A61K31/496 A61K31/53 A61K31/5377 A61K49/00 A61P1/04 A61P1/08 A61P1/14 A61P11/00 A61P11/06 A61P13/12 A61P19/02 A61P25/00 A61P25/02 A61P25/08 A61P25/14 A61P25/16 A61P25/18 A61P25/20 A61P25/22 A61P25/28 A61P25/32 A61P27/02 A61P29/00 A61P3/10 A61P43/00 A61P7/00 A61P7/02 A61P9/00 A61P9/10 C07D231/10 C07D231/12 C07D231/16 C07D401/12 C07D403/02 C07D405/12 C07D413/02 C12Q1/02 G01N33/50 (Advanced/Invention); A61K31/41 A61K31/415 A61K31/4155 A61K31/45 A61K31/454 A61K31/49 A61K31/496 A61K31/53 A61K31/5377 C07D231/16 C12N15/09 (Advanced/Non-invention); A61K31/00 A61K31/41 A61K31/45 A61K31/49 A61K31/53 C07D231/00 (Core/Invention); A61K31/41 A61K31/45 A61K31/49 A61K31/53 (Core/Non-invention); A61K C07D (Subclass/Invention)

International (IPC 1-7): A61K31/415 A61K31/4155 A61P11/06 A61P3/10 A61P7/02 A61P7/04 A61P9/10 C07D211/14 C07D231/10 C07D231/12 C07D231/16 C07D317/46 C07D401/12 C07D405/12

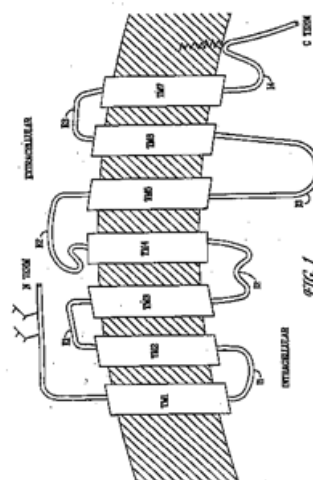
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US: 1/1 514/235.5 514/235.500P 514/236.5 514/254.05 514/254.050S 514/326 514/326S 514/406 514/406S 544/140 544/140S 544/371 544/371S 546/211 546/211S 546/231 548/364.4 548/366.1 548/366.100S 548/371.4 548/371.400S 548/375.1 548/377.1 548/377.100S

PatBase - US2005080124_AA

Patent Application Publication Apr. 14, 2005 Sheet 1 of 34 US 2005/080124 A1



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Priority:

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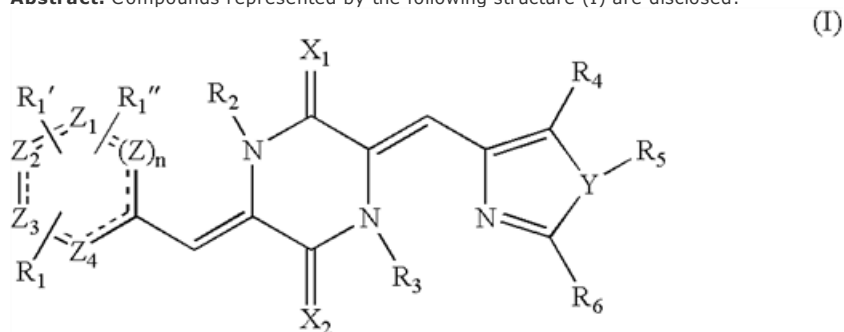
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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML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

Title: DEHYDROPHENYLHISTINS AND ANALOGS THEREOF AND THE SYNTHESIS OF DEHYDROPHENYLHISTINS AND ANALOGS THEREOF

Abstract: Compounds represented by the following structure (I) are disclosed:



as are methods for making such compounds, wherein said methods comprise reacting a diacyldiketopiperazine with a first aldehyde to produce an intermediate compound; and reacting the intermediate compound with a second aldehyde to produce the class of compounds with the generic structure, where the first aldehyde and the second aldehydes are selected from the group consisting of an oxazolecarboxaldehyde, imidazolecarboxaldehyde, a benzaldehyde, imidazolecarboxaldehyde derivatives, and benzaldehyde derivatives, thereby forming the above compound wherein R_1 , R_1' , R_1'' , R_2 , R_3 , R_4 , R_5 , and R_6 , X_1 and X_2 , Y , Z , Z_1 , Z_2 , Z_3 , and Z_4 may each be separately defined in a manner consistent with the accompanying description. Compositions and methods for treating cancer and fungal infection are also disclosed.

Classifications:

International (IPC 8-9): A61K31/04 A61K31/4188 A61K31/496 A61K31/4965 A61K31/497 A61K31/498 A61K31/4985 A61K31/501 A61K31/7048 A61P17/06 A61P19/10 A61P27/02 A61P27/06 A61P29/00 A61P31/00 A61P31/10 A61P35/00 A61P35/02 A61P35/04 A61P37/06 A61P43/00 A61P9/00 B68B1/06 C07D241/18 C07D401/04 C07D401/06 C07D401/12 C07D401/14 C07D403/02 C07D403/04 C07D403/06 C07D403/12 C07D403/14 C07D405/12 C07D405/14 C07D407/14 C07D409/12 C07D409/14 C07D413/02 C07D413/06 C07D413/14 C07D417/06 C07D417/14 C07D487/04 (Advanced/Invention);

A61K31/496 A61P31/10 A61P33/00 A61P33/14 A61P35/02 A61P35/04 C07D401/06 C07D403/06 C07D403/14 C07D405/14 C07D407/14 (Advanced/Non-invention);

A61K31/4164 A61K31/496 A61K31/4965 A61K31/498 A61K31/4985 A61K31/501 A61P17/00 A61P19/00 A61P27/00 A61P29/00 A61P31/00 A61P35/00 A61P37/00 A61P9/00 C07D241/00 C07D401/00 C07D403/00 C07D405/00 C07D407/00 C07D409/00 C07D413/00 C07D487/00 (Core/Invention);

A61K A61P C07D (Subclass/Invention);

A61K A61P (Subclass/Non-invention)

International (IPC 1-7): A61K A61K0/00 A61K31/496 A61P A61P31/00 A61P35/00 C07D401/12 C07D403/06 C07D403/12 C07D403/14 C07D405/12 C07D405/14 C07D407/14 C07D409/12 C07D413/14 C07D487/04

CPC: C07D401/14 C07D409/14 C07D487/04 C07D413/06 C07D413/14 C07D417/14 C07D403/14 C07D407/14 C07D403/06 C07D405/14 Y02A50/406

European: C07D401/14 C07D403/06 C07D403/14 C07D405/14 C07D407/14 C07D409/14 C07D413/06 C07D413/14 C07D417/14 C07D487/04

US: 514/249 514/250 514/250S 514/252.19 514/252.190P 514/253.09 514/253.090P 514/253.090P 514/253.090S 514/253.1 514/253.100S 514/253.100S 514/254.02 514/254.02 514/254.020S 514/254.05 514/254.050S 514/255.05 514/255.050S 514/255.06 544/120 544/179 544/180 544/295 544/295P 544/344 544/344S 544/359 544/360 544/360S 544/364 544/364S 544/366 544/366 544/369 544/369S 544/370 544/370S 544/372 544/405 544/405S 544/406 544/408 544/55 544/67 544/8 544/96

Family:

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Priority:

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Agent(s):

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MARTENS OLSON AND BEAR LLP

Designated states:

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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 YU ZA ZM ZW

Title: METHODS AND COMPOSITIONS FOR THERAPEUTIC TREATMENT

Abstract: Methods and compositions are described for the modulation of central nervous system and/or fetal effects of calcineurin inhibitors. Methods and compositions are described for the modulation of efflux transporter activity to increase the efflux of calcineurin inhibitors out of a physiological compartment and into an external environment. In particular, the methods and compositions disclosed herein provide for the increase of efflux transporter activity at Blood-Tissue, blood-CSF and placental-maternal barriers to increase the efflux of calcineurin inhibitor from physiological compartments, including central nervous system and fetal compartments.

Classifications:

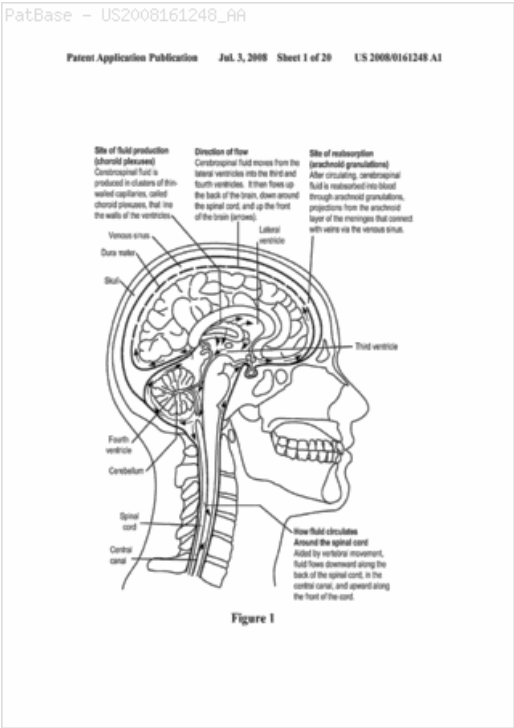
International (IPC 8-9): A61K31/352 A61K31/436 A61K31/7048 A61K31/706 A61K45/06 A61P25/00 A61P29/00 A61P37/00 A61P37/06 A61P43/00 (Advanced/Invention); A61K31/352 A61K31/4353 A61K31/7042 A61K45/00 A61P25/00 A61P29/00 A61P37/00 A61P43/00 (Core/Invention); A61K (Subclass/Invention)

International (IPC 1-7): A61K31/436

CPC: A61K45/06 A61K31/352 A61K31/436 A61K31/7048

European: A61K31/352 A61K31/436 A61K31/7048 A61K45/06

US: 514/27 514/27P 514/291 514/291S 514/456 514/456S



Family:

Publication number	Publication date	Application number	Application date
AU2007339883 AA	20080710	AU20070339883	20071226
BRPI0722054 A2	20140401	BR2007PI22054	20071226
CA2673863 AA	20090625	CA20072673863	20071226
CN101573109 A	20091104	CN200780048511	20071226
EP2068865 A2	20090617	EP20070869911	20071226
EP2068865 A4	20110810	EP20070869911	20071226
IL198723 A0	20100217	IL20070198723	20071226
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Priority:

US20060882306P 20061228 US20070940375P 20070525 US20070953192P 20070731
US20070964377 20071226 WO2007US88827 20071226

Probable Assignee: LIMERICK BIOPHARMA INC

Assignee(s): (std): LIMERICK BIOPHARMA INC ; ROBBINS WENDYE

Assignee(s): LIMERICK NEUROSCIENCES INC

Inventor(s): (std): LEE VING ; ROBBINS WENDYE ; WENDYE ROBBINS

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; COLE WILLIAM GWYN; WILSON SONSINI GOODRICH AND ROSATI; WITT ERIC ET AL

Designated states: AE AG AL AM 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHOD AND SYSTEM FOR SYSTEM IDENTIFICATION OF PHYSIOLOGICAL SYSTEMS

Abstract: A system for monitoring a pregnancy in a pregnant woman having a maternal-placenta-fetal system is disclosed. The system comprises (a) at least one monitoring device simultaneously monitoring selected maternal and fetal physiological signals; and (b) a computerized system being in communication with each of the at least one monitoring device for preprocessing the maternal and fetal physiological signals by independently non-linearly or linearly mathematically decomposing the maternal and fetal physiological signals into mathematical constituents thereof and collecting constituents of the mathematical constituents having a highest degree of linearity and/or simplicity, and for using the constituents having the highest degree of linearity and/or simplicity for identifying a mathematical model describing the maternal-placenta-fetal system, and mathematical parameters describing the model.

Classifications:

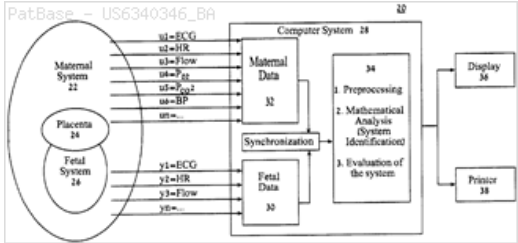
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A61B5/0444 (Advanced/Non-invention);
A61B5/00 G06F19/00 (Core/Invention);
A61B5/0402 (Core/Non-invention)

International (IPC 1-7): A61B5/00 G06F

CPC: G16H40/63 G16H50/50 A61B5/00 A61B5/0444 G06F19/00

European: A61B5/00 G06F19/00A G06F19/34A G06F19/34H
K61B5/0444

US: 128/898 600/300 600/301



Family:

Publication number	Publication date	Application number	Application date
AU200115472 A1	20010604	AU20010015472	20001123
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Priority:

US19990449752 19991126 WO2000IL00782 20001123

Probable Assignee: TAO MEDICAL TECHNOLOGIES LTD

Assignee(s): (std): ALMOG Yael ; T A O MEDICAL TECHNOLOGIES LTD ; TOLEDO ERAN

Assignee(s): TAO MEDICAL TECHNOLOGIES LTD

Inventor(s): (std): TOLEDO ERAN ; ALMOG Yael

Inventor(s): ERAN TOLEDO ; Yael ALMOG

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 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: MONITOR MATERNO-**FETAL** AMBULATORIO E INSTITUCIONAL Y SUS COMPLEMENTOS PARA SU UTILIZACION DURANTE EL EMBARAZO Y EL PARTO Maternal-**fetal** monitor AMBULATORY AND INSTITUTIONAL AND ACCESSORIES FOR USE DURING PREGNANCY AND CHILDBIRTH (Machine translation)

Title: CONNECTOR DEVICE FOR USE IN MONITORING **FETAL HEART RATE**

Abstract: A connector device interposed between a **fetal heart rate** monitor and **fetal** and material electrodes. The device includes a connector inserted in a leg plate. The leg plate has a housing which contains a printed circuit board. The board or housing is detachably connected to a base. The board has tracers which interconnect output terminals of the housing with input contacts of the housing and with a ground electrode of the base. The output terminals lead to the **fetal heart rate** monitor. The input contacts are in electrical contact with terminals of the connector, which in turn are electrically connected with the electrodes via a twisted wire pair. The input contacts of the leg plate are preferably in the form of barrel contacts which have fingers whose free ends either electrically connect with the connector terminals or engage with a recess on an exterior periphery of the connector.

Classifications:

International (ipc 8-9): A61B5/024 A61B5/0245 A61B5/04 A61B5/0408 A61B5/0416 A61B5/0428 A61B5/0444 A61B5/0448 A61B5/0478 A61B5/0492 B61B5/02 H01R13/17 H01R13/52 H01R13/62 H01R4/64 (Advanced/Invention);

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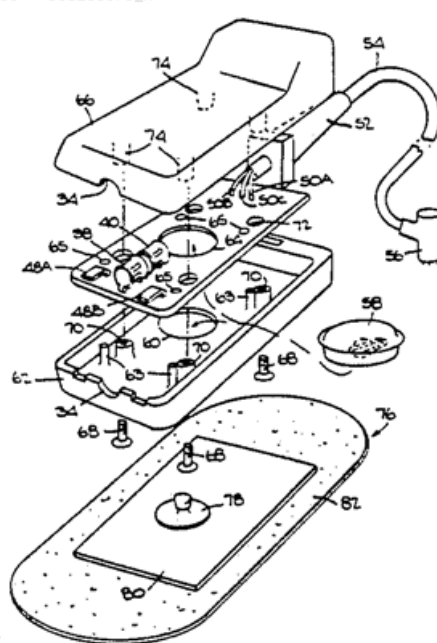
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European: A61B5/0416 A61B5/0428F A61B5/0448 A61B5/43F6E H01R13/52R H01R13/62 K61B562/22D4 T01R201/12

US: 128/642 128/698 128/785 439/909 600/376 600/382 600/384 600/386 600/390 600/394 607/902

PatBase - US5168876_A

**Family:**

Publication number	Publication date	Application number	Application date
CA2054375 AA	19920501	CA19912054375	19911028
CA2054375 C	19940712	CA19912054375	19911028
CA2060471 AA	19920827	CA19922060471	19920131
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CA2079834 AA	19930408	CA19922079834	19921005
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Priority:

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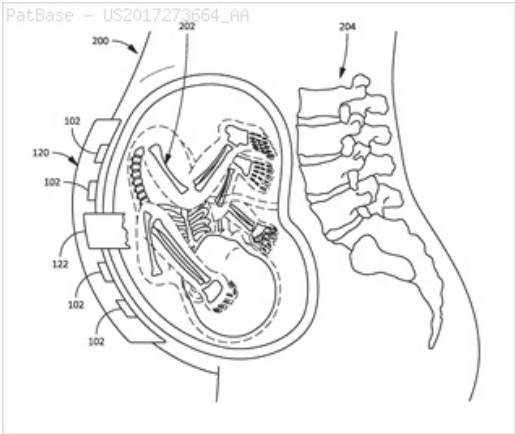
Probable Assignee: COROMETRICS MEDICAL SYSTEMS INC**Assignee(s):** (std): COROMETRICS MEDICAL SYSTEMS ; AMERICAN HOME PROD ; COROMETRICS MEDICAL SYSTEMS IN**Assignee(s):** AMERICAN HOME PRODUCTS CORP ; COROMETRICS MEDICAL SYSTEMS INC ; AMERICAN HOME PROD CORP ; AMERICAN HOME PRODUCTS 685 THIRD AVE NEW YORK NY A ; AHP LEASING INC ; AHP SUBSIDIARY HOLDING CORP ; GE MARQUETTE MEDICAL SYSTEMS INC ; AMERICAN HOME PRODUCTS A CORP OF DELAWARE CORP ; AMERICAN HOME PRODUCTS A OF DE CORP ; AMERICAN HOME PRODUCTS 685 THIRD AVE NEW YORK NY A CORP OF DE CORP ; BOUCHER DONALD R ; IZZO JOSEPH A ; SHIPHERD JOHN T ; QUEDENS PHILLIPP J ; POIRIER JAMES W ; MALIS MICHAEL J**Inventor(s):** (std): BOUCHER DOANLD R ; BOUCHER DONALD R ; BOUCHER DONALD ROY ; IZZO JOSEPH A ; IZZO JOSEPH ANTHONY ; MALIS MICHAEL J ; MALIS MICHAEL JACOB ; POIRIER JAMES W ; POIRIER JAMES WARREN ; QUEDENS PHILLIPP J ; QUEDENS PHILLIPP JOHN ; SHIPHERD JOHN T ; SHIPHERD JOHN TILDEN ; MAIKERU JIEI MEIRISU ; JIYOZEFU EI ITSUZO ; JIYON TEI SHITSUPUHAADO ; JIEIMUZU DABURIYUU POIRIAA ; FUJITSUPU JIEI KUUEDENZU ; DONARUDO AARU BOOCHIYAA**Agent(s):** RIDOUT AND MAYBEE LLP**Designated states:** AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Title: WEARABLE ULTRASONIC FETAL IMAGING DEVICE

Abstract: Devices and methods for fetal imaging are described. In some embodiments, a fetal imaging device includes, but is not limited to, a garment wearable over a portion of a body bearing a fetus; one or more ultrasound sources coupled to the garment and configured to apply one or more ultrasonic signals to the body; a first array of ultrasound receivers coupled to the garment and configured to receive one or more ultrasonic signals from the body; and a second array of ultrasound receivers coupled to the garment and configured to receive one or more ultrasonic signals from the body, the second array of ultrasound receivers being independently addressable and spatially separated from the first array of ultrasound receivers.

Classifications:

International (IPC 8-9): A61B8/00 A61B8/08
A61B8/13 (Advanced/Invention)
CPC: A61B8/4209 A61B8/0866 A61B8/13 A61B8/429 A61B8/5223
A61B5/1118 A61B2562/0204 A61B2562/0219 A61B2562/0247
A61B5/024 A61B5/02411 A61B8/4483 A61B8/467 A61B8/485
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Family:

Publication number	Publication date	Application number	Application date
US2017273664 AA	20170928	US20160079988	20160324

Priority:

US20160079988 20160324

Probable Assignee: ELWHA LLC

Assignee(s): (std): ELWHA LLC

Inventor(s): (std): BAYM MICHAEL H ; HYDE RODERICK A ; ISHIKAWA MURIEL Y

Title: MINIATURIZED ULTRASOUND APPARATUS AND METHOD

Abstract: Ultrasound apparatus for examining tissue in a region of interest in a body comprising a housing having a viewing aperture. An ultrasonic transducer is provided comprised of an array of ultrasonic elements disposed in the viewing aperture. Electrical **pulses** are supplied to the transducer for transducer excitation to introduce ultrasonic signals into the body for reflection from the tissue in the region of interest. The transducer is capable of converting ultrasonic signals reflected from the tissue within the body to the transducer to provide electrical signals. The electrical signals are gain corrected in accordance with time. In-phase and out-of-phase components of the electrical signals are provided and then digitized. The digitized electrical signals are collected to form one image for a single frame of the tissue in the region of interest in the body from transducer excitations less than thirty-three in number which is then displayed.

Classifications:

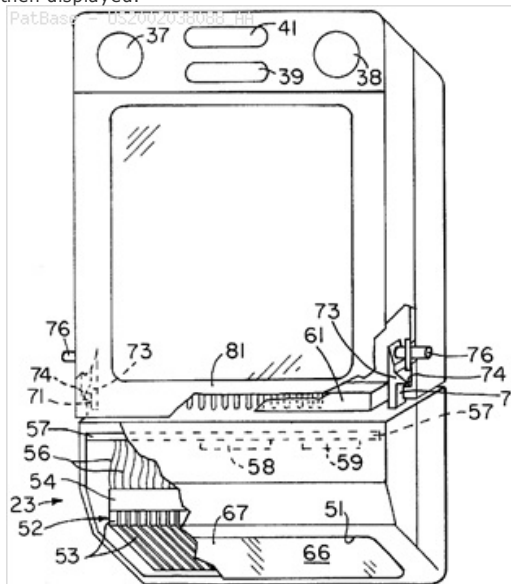
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International (IPC 1-7): A61B8/00 A61B8/02 A61B8/06 A61B8/08 A61B8/14 G01N29/00 G01N29/04 G01N29/18 G01N29/22 G01N29/24 G01N29/26 G01S15/89 G01S7/521 G03B42/06 G06F3/00 G06F3/02 H04R1/02

CPC: G01N2291/0228 G01S15/8915 G01S15/892 G01S15/8918 G01N29/06 G01N29/0609 G01N29/11 G01N29/348 G01N2291/017 G01N2291/02416 G01S7/52023 G01S7/52046 G01S15/8954 A61B8/4427 A61B8/56 A61B8/469 A61B8/4438 A61B8/08 A61B8/06 A61B8/0833 A61B8/0866 A61B8/00 A61B8/13 A61B8/4455 A61B8/4472 A61B8/488 G01S7/52034 G01S7/52079 G01S7/5208 A61B8/462 G01S7/52082 G01S7/52084 G01S7/52096 A61B8/467 G01S15/8979 G01S15/8981 A61B8/465 A61B8/4209 A61B8/463 A61B8/468 A61B8/4433 G01N29/14 G03B42/06 A61B8/14 G01N2291/02466 G16H40/63 G06F19/00

European: A61B8/00 A61B8/08 A61B8/44M A61B8/44N4 A61B8/44N8 A61B8/46B2 A61B8/46B4 A61B8/46B8 A61B8/46D A61B8/46D2 G01N29/06 G01N29/06C G01N29/10B G01N29/11 G01N29/34F G01S15/89D1C G01S15/89D3B G01S15/89D7A G01S7/52S13 G01S7/52S13B G01S7/52S13D G01S7/52S13F G01S7/52S16 G01S7/52S2 G01S7/52S2E G01S7/52S4 G03B42/06 G06F19/34A K61B8/00 K61B8/06 K61B8/08 K61B8/08H K61B8/08P K61B8/13 K61B8/44N4 K61B8/44N8 K61B8/46D2 K61B8/48J S01N291/01F S01N291/022L S01N291/024C S01N291/024K S01S15/89D7

US: 367/119 367/119P 367/7 382/254 382/260 600/407 600/437 600/437P 600/437S 600/440 600/440P 600/443 600/443P 600/443S 600/444 600/445 600/446 600/447 600/447P 600/447S 600/448 600/454 600/455 600/457 600/457P 600/459 600/459P



Family:

Publication number	Publication date	Application number	Application date
AU200069103 A1	20010319	AU20000069103	20000816
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Priority:

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Probable Assignee: SHENZHEN MINDRAY BIO MEDICAL ELECTRONICS CO LTD

Assignee(s): (std): BATOOL AILYA ; CHOU CHING HUA ; GRUNWALD SORIN ; NOVASONICS INC ; TARAKCI UMIT ; MCLAUGHLIN GLEN ; MO LARRY Y L ; JI TING LAN ; STANSON ROBERT ; IMRAN MIR A ; MCLAUGHLIN GLEN W ; NAPOLITANO DAVID ; HOM SOO ; XI XUFENG ; ZONARE MEDICAL SYSTEMS INC ; ZONARE MEDICAL SYSTEMS INC N D GES D STAATES DELAWARE

Assignee(s): ZONARE MEDICAL SYSTEMS INC NDGESD STAATES DELAWARE ; SHENZHEN MINDRAY BIO MEDICAL ELECTRONICS CO LTD ; MO LARRY YL ; NOVASONICS CORP ; NOVASONCIS CORP ; LIPPS WILLIAM D ; BRENNAN JAMES M ; AVINTIV SPECIALTY MATERIALS INC F K A POLYMER GROUP INC

Inventor(s): (std): XI XUFENG ; TARAKCI UMIT ; MO LARRY Y L ; MCLAUGHLIN GLEN W ; MCLAUGHLIN GLEN ; LIPPS WILLIAM D ; JI TING LAN ; IMRAN MIR A ; HOM SOO ; CHOU CHING HUA ; BRENNAN JAMES M ; WILLIAM D LIPPS ; STANSON ROBERT ; MIR A IMRAN ; MC LAUGHLIN GLEN ; HOM SOON ; GRUNWALD SORIN ; GLEN W MCLAUGHLIN ; BATOOL AILYA ; NAPOLITANO DAVID

Inventor(s): MO LARRY YL ; IMRAN MIR ; JAMES M BRENNAN ; MO LARRY

Agent(s): SMART AND BIGGAR; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; CARR AND FERRELL LLP

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 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 LI 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 UZ VN YU ZA ZW

Title: METHOD OF AND SYSTEM FOR ESTIMATING PLACENTA AND **FETUS** WELL BEING USING SYSTEM IDENTIFICATION TECHNIQUES

Abstract: System and screening method for determining characteristics of placenta and **fetus** in pregnant woman by using system identification techniques to determine whether a **fetus** is at immediate risk or should enter a high risk pregnancy follow-up. In particular, a system which is a combination of non invasive detectors for the acquisition of physiological signals, a procedure for synchronizing the acquired maternal and **fetal** signals, and algorithms developed for system identification of biological open-loop systems are employed. The maternal-**fetal** system has a purely causal relationship between input and output, connected by the placenta. Hence, the identification and modeling of the system reflect the interconnection relations.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 A61B5/0444

A61B5/145 G06F19/00 (Advanced/Invention);

A61B5/00 A61B5/0205 A61B5/0444 A61B5/145 (Advanced/Non-

invention);

A61B5/00 A61B5/0205 A61B5/145 G06F19/00 (Core/Invention);

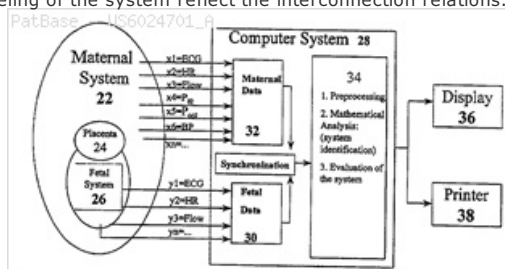
A61B5/0402 (Core/Non-invention)

International (IPC 1-7): A61B A61B5/00 A61B5/0205 A61B5/145

CPC: G16H50/50 G06F19/00 A61B5/0444

European: G06F19/00A2 G06F19/34H K61B5/0444

US: 128/898 600/300 600/301



Family:

Publication number	Publication date	Application number	Application date
AU199953457 A1	20000321	AU19990053457	19990809
AU199953457 A5	20000321	AU19990053457	19990809
AU209953457 A1	20000321	AU19990053457	19990809
CA2341431 AA	20010221	CA19992341431	19990809
EP1107689 A1	20010620	EP19990939111	19990809
IL141594 A0	20020310	IL19990141594	19990809
JP2002523168 T2	20020730	JP20000567129T	19990809
US6024701 A	20000215	US19980140889	19980827
WO0012002 A1	20000309	WO1999US18060	19990809

Priority:

US19980140889 19980827 WO1999US18060 19990809

Probable Assignee: OF CALIFORNIA UNIV

Assignee(s): (std): T A O MEDICAL TECHNOLOGIES LTD ; ALMOG Yael ; FRIEDMAN MARK M

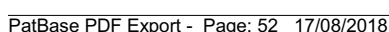
Assignee(s): OF CALIFORNIA UNIV ; TAO MEDICAL TECHNOLOGIES LTD ; TAQ MEDICAL TECHNOLOGIES LTD ; UNIV

Inventor(s): (std): ALMOG Yael

Agent(s): SPRUSON AND FERGUSON; CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; OGILVY RENAULT LLP SENCRL SRL

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK 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 LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZA ZW

US: 128/916 382/128 382/282 382/286 424/9.1 424/91 435/6
435/6.11 435/6.110P 435/6.12 435/6.120S 702/181 702/19 702/22

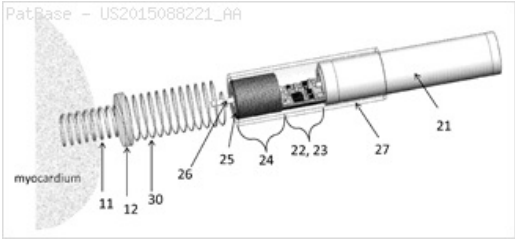


Title: MINIMALLY INVASIVE EPICARDIAL PACEMAKER

Abstract: A fully implantable cardiac pacemaker system is provided. The pacemaker system includes a pacemaker having an electrode sub-assembly containing an electrode and a base into which the electrode is embedded. It also includes an implantable package that has electronic components for providing electrical **pulses** to a patient's **heart**. The pacemaker also has a power supply and a flexible electrically conductive lead that connects the electronic components to the electrode. In addition to the pacemaker, the pacemaker system includes a removable insertion casing that is physically attached to the base portion of the electrode sub-assembly. Upon insertion of the pacemaker into a patient's **heart**, the pacemaker is detached from the removable insertion casing and deployed fully in the patient's chest. The pacemaker system has particular use in **fetal** applications.

Classifications:

International (IPC 8-9): A61N1/05 A61N1/362 A61N1/372 A61N1/375 A61N1/378 (Advanced/Invention)
CPC: A61N1/0587 A61N1/3787 A61N1/375 A61N1/362 A61N1/37205 A61N1/059 A61N1/3756 Y10T29/49002
US: 1/1 29/592.1 607/129 607/33 607/9



Family:

Publication number	Publication date	Application number	Application date
CA2869743 AA	20141006	CA20132869743	20130405
EP2833964 A1	20150211	EP20130772033	20130405
EP2833964 A4	20160224	EP20130772033	20130405
US2015088221 AA	20150326	US20130390943	20130405
US9393407 BB	20160719	US20130390943	20130405
WO13152259 A1	20131010	WO2013US35377	20130405

Priority:

US20120620701P 20120405 US20130390943 20130405 WO2013US35377 20130405

Probable Assignee: CHILDREN S HOSPITAL LOS ANGELES

Assignee(s): (std): CHILDREN S HOSPITAL LOS ANGELES ; UNIV SOUTHERN CALIFORNIA ; LOS ANGELES CHILDRENS HOSPITAL ; UNIVSERITY OF SOUTHERN CALIFORNIA

Assignee(s): BAR COHEN YANIV ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; LOEB GERALD ; CHMAIT RAMEN ; OF SOUTHERN CALIFORNIA UNIVBOVARD ADMINISTRATION BUILDING352 - 3551 TROUSDALE PARKWAYLOS ANGELESCA90089US ; SILKA MICHAEL ; CHILDREN S HOSPITAL LOS ANGELES4650 SUNSET BOULEVARDMS #84LOS ANGELESCA90027US ; CHILDRENS HOSPITAL LOS ANGELES ; OF SOUTHERN CALIFORNIA UNIV

Inventor(s): (std): BAR COHEN YANIV ; BARR COHEN YANIV ; CHMAIT RAMEN ; LOEB GERALD ; SILKA MICHAEL

Inventor(s): SILKA MICHAELUS ; LOEB GERALDUS ; CHMAIT RAMENUS ; BAR COHEN YANIVUS

Agent(s): CASSAN MACLEAN; CASSAN MACLEAN IP AGENCY INC; STEINECKE PETER; LATIMER IPLAW LLC; LATIMER MATTHEW T

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 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 RW 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

Title: DYNAMIC CHILDBIRTH **SIMULATOR** FOR TEACHING MATERNITY PATIENT CARE

Abstract: A programmable patient **simulator** for teaching maternity patient care includes a life size manikin with a pelvis, vaginal canal, uterus, placenta, umbilical cord, and a **fetal** doll from which **heart** sounds are emitted. A programmable electro-pneumatic system controls the **simulated** uterine contractions, position of the uterus, rupture of membranes, expulsion of **fetal** doll, and **fetal heart rate** during labor and delivery sequence.

Classifications:

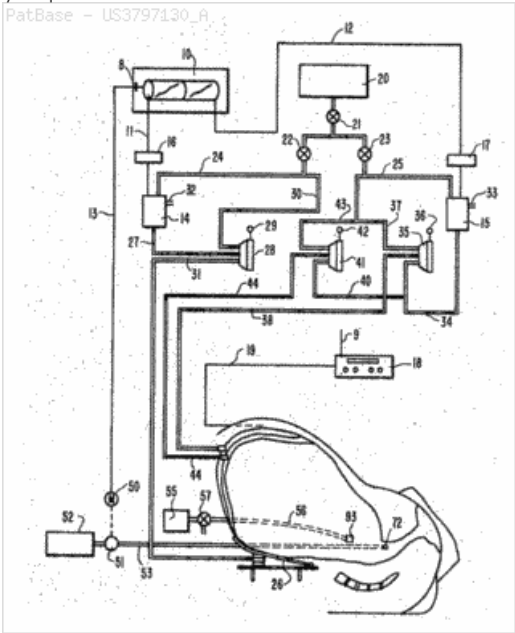
International (IPC 8-9): G09B23/28 (Advanced/Invention);
G09B23/00 (Core/Invention)

International (IPC 1-7): G09B23/32

CPC: G09B23/281

European: G09B23/28B

US: 434/273 446/295



Family:

Publication number	Publication date	Application number	Application date
US3797130 A	19740319	US19720308542	19721121
US3822486 A	19740709	US19730412886	19731105
US3824709 A	19740723	US19730412756	19731105
US3826019 A	19740730	US19730412757	19731105

Priority:

US19720308542 19721121 US19730412756 19731105 US19730412886 19731105
US19730412757 19731105

Probable Assignee: UNIV KENTUCKY RES FOUND

Assignee(s): (std): UNIV KENTUCKY RES FOUND ; UNIV KENTUCKY RES FOUNDATION

Assignee(s): UNIVERSITY KENTUCKY RES FOUNDATION US ; UNIVERSITY OF KENTUCKY RES FOUND US ;
UNIVERSITY OF KENTUCKY RES FOUNDATION US

Inventor(s): (std): EADES G ; KNAPP C

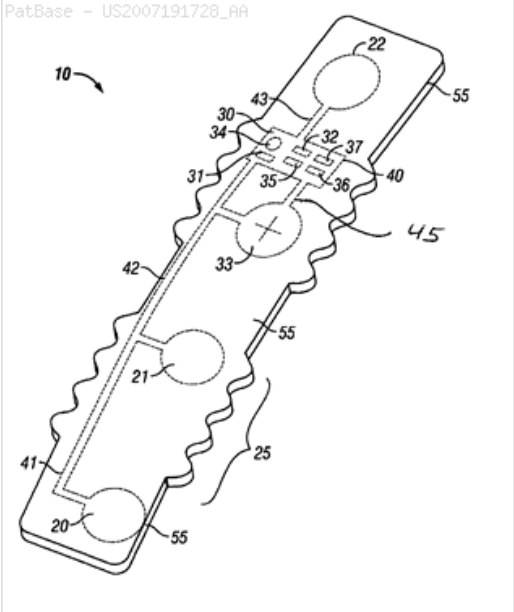
Inventor(s): KNAPP C US ; EADES G US

Title: INTRAPARTUM MONITOR PATCH

Abstract: The invention provides an integrated patch for the non-invasive monitoring of a laboring woman. The patch incorporates biopotential electrodes for sensing fetal ECG and EMG indicative of myometrial activity. The patch also incorporates a processor for extracting labor activity and fetal heart activity after filtering out maternal ECG from the composite biopotential signal present on the abdomen of the pregnant woman. The fetal monitor patch is thin, flexible, and incorporates a battery and biopotential amplifier network. In the preferred embodiment, the patch is disposable and worn continuously during labor or later stages of pregnancy. In a hospital embodiment for intrapartum monitoring, the patch wirelessly transmits fetal heart activity and myometrial activity to a bedside monitor or a remote monitoring station.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/04 (Advanced/Invention); A61B5/00 A61B5/04 (Core/Invention)
CPC: A61B5/0006 A61B5/0444 A61B5/0488 A61B5/4356 A61B5/4362 A61B5/6833
European: A61B5/00B2 A61B5/00B3B A61B5/0444 A61B5/0488 A61B5/43F6C A61B5/43F6E A61B5/68B3D1
US: 128/903 128/903S 600/301 600/301S 600/511 600/511S 600/546 600/546P 600/549 600/549S



Family:

Publication number	Publication date	Application number	Application date
US2007191728 AA	20070816	US20060352014	20060210
WO07095457 A2	20070823	WO2007US61873	20070208
WO07095457 A3	20080124	WO2007US61873	20070208
WO07095457 B1	20080327	WO2007US61873	20070208

Priority:

US20060352014 20060210

Probable Assignee: PRENATEK INC

Assignee(s): (std): PRENATEK INC ; SHENNIB ADNAN

Assignee(s): GLENN PATENT GROUP

Inventor(s): (std): SHENNIB ADNAN

Agent(s): GLENN PATENT GROUP

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 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: A METHOD OF ISOLATING CELLS FOR THERAPY AND PROPHYLAXIS

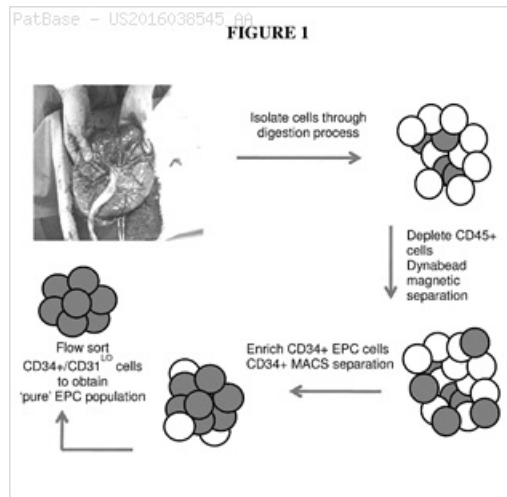
Abstract: Disclosed are methods for isolating endothelial progenitor cells (EPC). More particularly, the present invention discloses methods for isolating endothelial progenitor cells that exhibit self-renewal and differentiation capacity. The isolated cellular population of the present invention is useful in a wide range of clinical and research setting including inter alia, the in vitro or in vivo generation of endothelial cells and the therapeutic or prophylactic treatment of a range of conditions via the administration of these cells. Also facilitated is the isolation of endothelial progenitor cells for research purposes such as in vitro based screening systems for testing the therapeutic impact and/or toxicity of potential treatment or culture regimes to which these cells may be exposed to. The present invention also discloses methods for isolating mesenchymal stem cells, in particular mesenchymal stem cells of **fetal** and/or maternal origin. These cells are also useful in a range of in vitro and in vivo therapeutic, prophylactic and research applications.

Classifications:

International (IPC 8-9): A61K35/12 A61K35/28 A61K35/44 A61K35/545 A61K45/00 A61L27/00 A61L27/18 A61L27/38 A61P1/16 A61P1/18 A61P13/12 A61P17/00 A61P19/00 A61P21/00 A61P25/00 A61P27/02 A61P3/10 A61P9/00 A61P9/04 A61P9/10 C12N5/071 C12N5/073 C12N5/074 C12N5/075 C12N5/0789 C12Q1/06 C12Q1/68 (Advanced/Invention)

CPC: C12N2506/025 A61K45/06 A61L27/3834 A61L27/54 A61L31/005 A61L31/16 A61K35/28 C12N5/0668 A61L27/18 A61L2430/34 A61K35/44 A61L27/3808 C12N5/0692

US: 424/93.7 435/325 435/377



Family:

Publication number	Publication date	Application number	Application date
AU2014231770 AA	20140918	AU20140231770	20140313
EP2970914 A1	20160120	EP20140763473	20140313
EP2970914 A4	20170111	EP20140763473	20140313
JP2016513962 T2	20160519	JP20150561826T	20140313
US2016038545 AA	20160211	US20140776288	20140313
WO14138793 A1	20140918	WO2014AU00252	20140313

Priority:

AU20130900863 20130313 AU20140231770 20140313 WO2014AU00252 20140313

Probable Assignee: OF QUEENSLAND UNIV

Assignee(s): (std): KHOSROTEHRANI PAUL KIARASH ; PATEL JATIN ; UNIV QUEENSLAND ; UNIV OF QUEENSLAND

Assignee(s): OF QUEENSLAND UNIV

Inventor(s): (std): FISK NICHOLAS MAXWELL ; PATEL JATIN ; KHOSROTEHRANI PAUL KIARASH

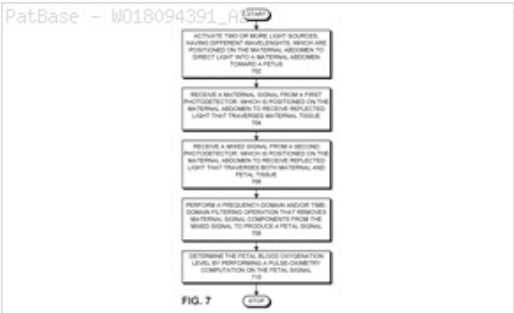
Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; STEINECKE PETER; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; PARTNER

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 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

Title: ROBUST, CLINICAL-GRADE TRANSABDOMINAL FETAL PULSE OXIMETRY

Abstract: The system determines a fetal blood oxygenation level by activating two or more light sources, having different wavelengths, which are positioned on the maternal abdomen of a pregnant mammal to direct light into a maternal abdomen toward a fetus. The system then receives a maternal signal from a first photodetector, which is positioned on the maternal abdomen to receive reflected light that traverses maternal tissue. The system also receives a mixed signal from a second photodetector, which is positioned on the maternal abdomen to receive reflected light that traverses both maternal and fetal tissue. The system performs a filtering operation that removes maternal signal components from the mixed signal to produce a fetal signal. The system determines the fetal blood oxygenation level by performing a pulse-oximetry computation on the fetal signal. The system dynamically adjusts operational parameters in the face of changing variables, such as fetus position and depth.

Classifications:
International (IPC 8-9): A61B5/00 A61B5/1455 (Advanced/Invention)
CPC: A61B5/02416 A61B5/02411 A61B5/02438 A61B5/02444 A61B5/725 A61B5/7257



Family:

Publication number	Publication date	Application number	Application date
WO18094391 A2	20180524	WO2017US62782	20171121
WO18094391 A3	20180726	WO2017US62782	20171121

Priority:

US20160424789P 20161121

Probable Assignee: UNIV CALIFORNIA

Assignee(s): (std): UNIV CALIFORNIA

Assignee(s): THE UNIV OF CALIFORNIA

Inventor(s): (std): FONG DANIEL ; GHIASI SOHEIL

Agent(s): SAHASRABUDDHE LAXMAN

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 DJ 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 JO JP KE KG KH KM KN KP KR KW 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

Title: **FETAL** SONOGRAPHY MODEL APPARATUSES AND METHODS

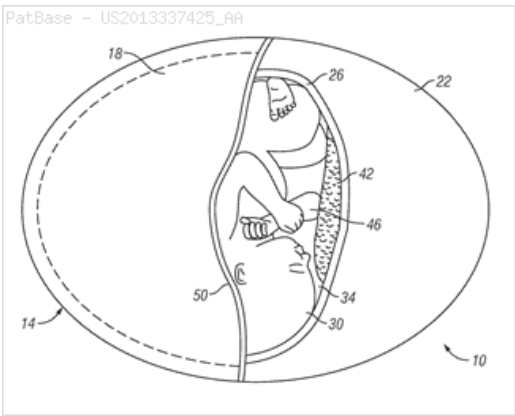
Abstract: This disclosure includes embodiments of apparatuses and methods for **simulating** the uterus of a human (e.g., for training medical providers to perform sonograms, amniocentesis, ultrasound-guided amniocentesis, and/or other procedures). For example, in at least some embodiments, the apparatus comprises a container with a compartment and an anterior wall that is configured to permit sonogram imaging of the compartment. In some embodiments, the apparatus comprises a container that is configured to be removably coupled to the abdomen of a live human or human model such that the compartment **simulates** the uterus of the human or model.

Classifications:

International (IPC 8-9): A61B8/08 G09B23/28 (Advanced/Invention)

CPC: G09B23/281 A61B8/0816 G09B23/286

US: 1/1 434/267 434/268



Family:

Publication number	Publication date	Application number	Application date
■ US2013337425 AA	20131219	US20130829450	20130314
■ US9087456 BB	20150721	US20130829450	20130314

Priority:

US20120645317P 20120510 US20130829450 20130314

Probable Assignee: SETON HEALTHCARE FAMILY

Assignee(s): (std): ALLEN BUFFY ; DRAKE RICHARD ; KITCHENS JUDY ; SHEPPARD CELESTE ; SETON HEALTHCARE FAMILY

Inventor(s): (std): ALLEN BUFFY ; DRAKE RICHARD ; KITCHENS JUDY ; SHEPPARD CELESTE

Agent(s): NORTON ROSE FULBRIGHT US LLP

Title: APPARATUS AND METHOD FOR DISTRIBUTED ULTRASOUND DIAGNOSTICS

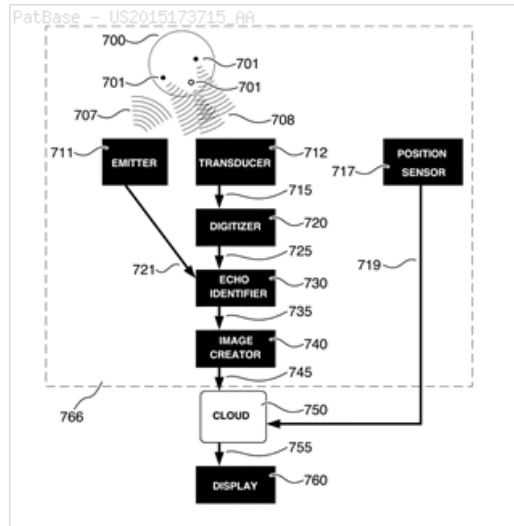
Abstract: A local user obtains data on the response of internal tissues of a subject to a non-invasive imaging system, choosing sensor positions according to a geometric display. The data obtained are evaluated with respect to predefined quantitative values. The process of obtaining and processing the internal tissue response data is repeated until an image meeting predetermined image quality characteristics is obtained. Specific or general content of the image may be restricted by the local processor, with a distal processor receiving the obtained image data, so as to limit specific or general types of image information from being viewed by the local user, such as image data that can be used to identify the sex of a **fetus** within the subject.

Classifications:

International (IPC 8-9): A61B8/00 A61B8/02 A61B8/08 A61B8/14 G09B23/28 (Advanced/Invention)

CPC: A61B8/46 A61B8/4254 G09B23/286 G06F19/00 A61B8/4245 A61B8/52 A61B8/5207 A61B8/5223 A61B8/565 G06F19/321 G06T7/0012 G16H30/00 G16H30/20 G16H30/40 G16H40/00 G16H40/67

US: 434/262 434/267 600/440 600/443

**Family:**

Publication number	Publication date	Application number	Application date
IN201617023493 A	20160831	IN201617023493	20160708
US2015173715 AA	20150625	US20140568138	20141212
WO15105619 A1	20150716	WO2014US69862	20141212
WO15105619 A9	20161215	WO2014US69862	20141212

Priority:

US20130918664P 20131220 US20140040007P 20140821 US20140568138 20141212
WO2014US69862 20150120

Probable Assignee: POSTON TIMOTHY

Assignee(s): (std): POSTON TIMOTHY ; RAGHAVAN RAGHU

Inventor(s): (std): POSTON TIMOTHY ; RAGHAVAN RAGHU

Agent(s): LITMAN MARK A

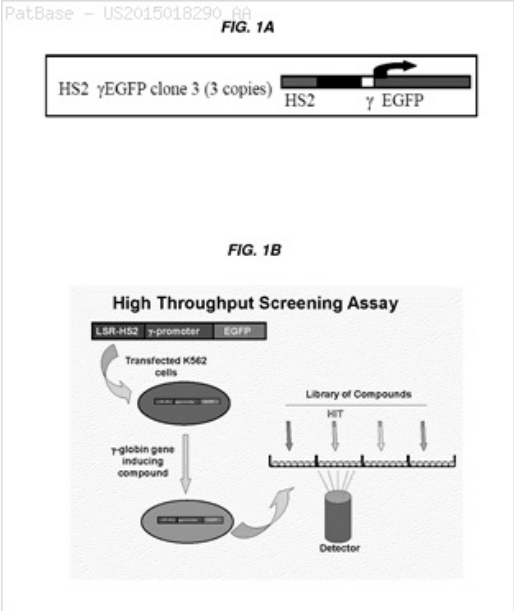
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Title: INDUCERS OF HEMATOPOIESIS AND **FETAL** GLOBIN PRODUCTION FOR TREATMENT OF CYTOPENIAS AND HEMOGLOBIN DISORDERS

Abstract: The present invention generally relates to compositions containing chemical compounds and compositions and pharmaceutical formulations of the compounds which increase the expression of total hemoglobin or globin protein such as embryonic or **fetal** globin, or the proliferation of hemoglobin expressing and other blood cells. These compositions can be used to treat or prevent the symptoms associated with anemia, sickle cell diseases, thalassemia, and other blood cell deficiencies and blood disorders. The invention also relates to methods for administering these compositions to subjects and for use as medical aids for the treatment and prevention of blood and other disorders.

Classifications:

International (IPC 8-9): A61K31/165 A61K31/435 A61K31/4406 A61K31/473 A61K31/704 A61K31/7135 A61P7/00 A61P7/06 (Advanced/Invention)
CPC: A61K31/435 A61K31/4406 A61K31/704 A61K31/7135 A61K31/473 A61K31/165 A61K31/05 A61K31/137 A61K31/4545
US: 514/24 514/290 514/34 514/357 514/43 514/614



Family:

Publication number	Publication date	Application number	Application date
US2015018290 AA	20150115	US20110310199	20111202
US9018176 BB	20150428	US20110310199	20111202

Priority:

US20100419016P 20101202 US20110310199 20111202

Probable Assignee: UNIV BOSTON

Assignee(s): (std): FALLER DOUGLAS V ; PERRINE SUSAN ; UNIV BOSTON

Assignee(s): TRUSTEES OF BOSTON UNIV ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT

Inventor(s): (std): FALLER DOUGLAS V ; PERRINE SUSAN

Agent(s): NIXON PEABODY LLP

Title: **FETAL** MONITORING SYSTEM AND METHOD

Abstract: A system and method is provided for monitoring the **fetal** position and/or orientation of the **fetus** of an expectant mother. An acoustic sensor array is positioned over the belly. The pattern of acoustic sensor signals is processed to determine a **fetal** orientation and/or to determine movement over time of the **fetus**.

Classifications:

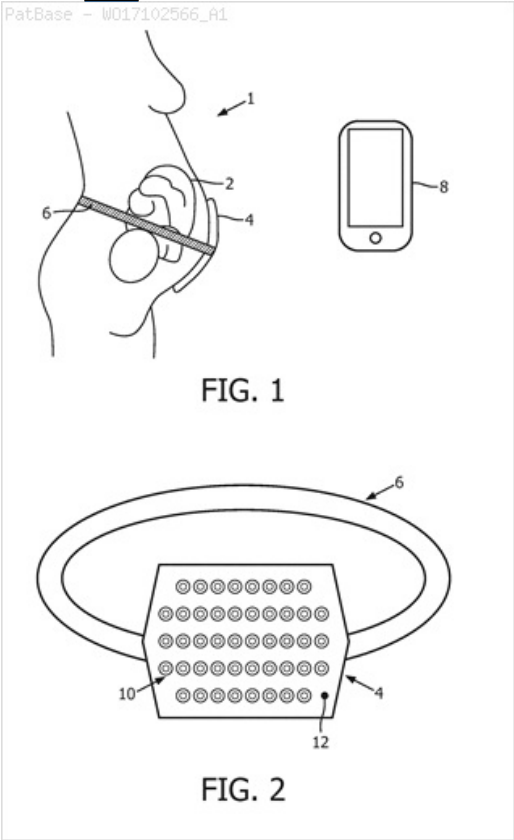
International (IPC 8-9): A61B5/00 A61B5/11

A61B7/00 (Advanced/Invention);

A61B5/00 A61B5/11 (Advanced/Non-invention)

CPC: A61B7/00 A61B5/1117 A61B5/4343 A61B2503/02

A61B2562/0204 A61B2562/046



Family:

Publication number	Publication date	Application number	Application date
IN201847024185 A	20180706	IN201847024185	20180628
WO17102566 A1	20170622	WO2016EP80355	20161209

Priority:

WO2015CN097909 20151218 EP20160163215 20160331 WO2016EP80355 20161209

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): PHILIPS KONINKLL NV

Inventor(s): (std): JIN SHENG ; LI LIN ; LI MINGDONG ; WU YUQIANG ; YIN BIN

Agent(s): DE HAAN POUL ERIK

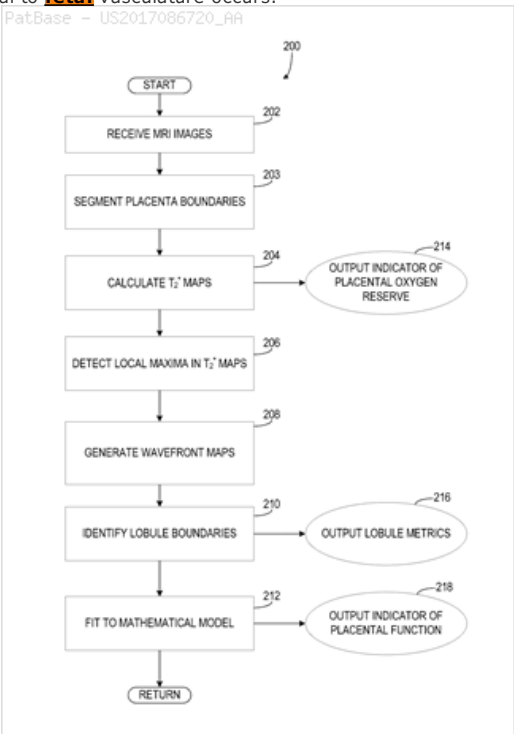
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Title: SYSTEMS AND METHODS FOR FUNCTIONAL IMAGING OF THE PLACENTA

Abstract: A method for imaging and quantifying placental blood perfusion using **magnetic** resonance imaging is disclosed. The method provides a noninvasive means of assessing placental function and oxygenation from T2ss images without the administration of an exogenous contrast agent. The method provides quantitative information regarding the number and spatial distribution of perfusion domains which subdivide the placenta into functional units where oxygen transport occurs, along with estimates of **fetal** oxyhemoglobin concentration, descriptors of placental oxygen reserve, and parameters representing the facility with which oxygen transport from the maternal to **fetal** vasculature occurs.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/026 A61B5/055
A61B5/145 G01R33/561 G01R33/563 G06F17/50 (Advanced/Invention)
CPC: A61B5/14542 A61B5/055 A61B5/14546 A61B5/7278
A61B5/0263 G01R33/56366 G01R33/5616 G06F17/5009 G01R33/50
A61B5/4343
US: 600/328



Family:

Publication number	Publication date	Application number	Application date
US2017086720 AA	20170330	US20160274718	20160923
WO17053799 A1	20170330	WO2016US53444	20160923

Priority:

US20150232955P 20150925 US20160274718 20160923

Probable Assignee: UNIV OREGON HEALTH AND SCIENCE

Assignee(s): (std): FRIAS ANTONIO ; KROENKE CHRISTOPHER ; OREGON HEALTH AND SCIENCE UNIV ; SCHABEL MATTHIAS ; UNIV OREGON HEALTH AND SCIENCE

Inventor(s): (std): FRIAS ANTONIO ; KROENKE CHRISTOPHER ; KROENKE CHRISTOPHER D ; SCHABEL MATTHIAS

Agent(s): JACKSON JEFFREY

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 DJ 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 KW 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

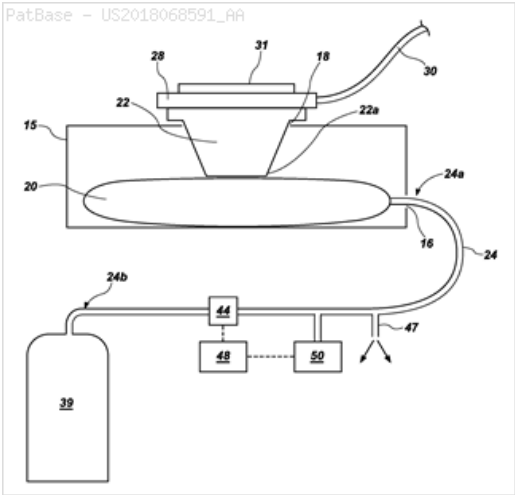
Title: SYSTEM AND METHOD FOR **SIMULATING FETAL HEART RATE** FOR NONINVASIVE INTRA-PARTUM **FETAL** MONITORING

Abstract: A method and apparatus to **simulate** a **fetal heart rate** to train clinicians in using a Doppler probe. The apparatus includes an enclosure housing a bladder, with a piece of deformable material to be placed in contact with the bladder and the Doppler probe. The bladder is selectively pressurized by a source of compressed gas, the flow being controlled by a flow valve. A pressure release valve is provided to reduce pressure in the bladder. A pressure sensor monitors the bladder pressure. The flow valve may be controlled by a software run on a processor to achieve pre-determined bladder pressures to mimic a **fetal heart rate**.

Classifications:

International (IPC 8-9): G09B23/30 G09B23/32 (Advanced/Invention)

CPC: G09B23/303



Family:

Publication number	Publication date	Application number	Application date
■ US2018068591 AA	20180308	US20160257501	20160906

Priority:

US20160257501 20160906

Probable Assignee:

DYNASTHETICS LLC

Assignee(s): (std):

DYNASTHETICS LLC

Inventor(s): (std):

ORR JOSEPH

Title: NOVEL PEPTIDES

Abstract: The invention relates to an isolated, synthetic or recombinant chi-conotoxin peptide having the ability to inhibit a neuronal amine transporter, nucleic acid molecules encoding all or part of such peptides, antibodies to such peptides and uses and methods of treatment involving them.

Classifications:

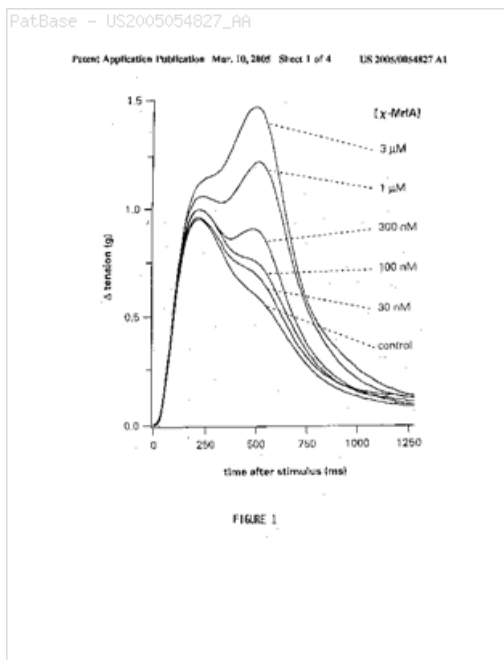
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International (IPC 1-7): A61K31/195 A61K38/00 A61K38/04 A61K39/395 A61P13/02 A61P25/22 A61P25/24 A61P25/34 A61P29/00 A61P29/02 A61P9/04 A61P9/06 C07H21/02 C07H21/04 C07K14/435 C07K16/18 C07K16/44 C07K7/00 C07K7/08 C07K7/64 C12N15/09 C12N15/12 C12P21/08 C12Q1/68

CPC: C07K7/08 A61K38/00 C07K14/43504

European: C07K14/435A C07K7/08 K61K38/00 M07K207/00 M07K215/00

US: 435/252.3 435/320.1 435/320.100S 435/325 435/325S 435/69.1 435/69.100S 435/69.7 514/1.1 514/1.100P 514/1.2 514/14 514/15.4 514/17.4 514/17.5 514/17.6 514/18.1 514/18.3 514/2 514/21.1 514/21.5 514/9 530/300 530/317 530/317S 530/327 530/344 530/345 530/350 536/23.4 536/23.5 536/23.500S



Family:

Publication number	Publication date	Application number	Application date
AT336501 E	20060915	AT19990952156T	19991001
AU199964530 A1	20000426	AU19990064530	19991001
AU199964530 A5	20000426	AU19990064530	19991001
AU627498 A0	19981022	AU1998PP06274	19981002
AU757011 B2	20030130	AU19990064530	19991001
CA2344765 AA	20010330	CA19992344765	19991001
CY1110381 T1	20150429	CY20061101621T	20061109
DE69932834 D1	20060928	DE19996032834	19991001
DE69932834 T2	20070823	DE19996032834T	19991001
DK1117682 T3	20061227	DK19990952156T	19991001
EP1117682 A1	20010725	EP19990952156	19991001
EP1117682 A4	20011212	EP19990952156	19991001
EP1117682 B1	20060816	EP19990952156	19991001
ES2268885 T3	20070316	ES19990952156T	19991001
JP2002526098 T2	20020820	JP20000574555T	19991001
JP2010046088 A2	20100304	JP20090245436	20091026
JP4447783 B2	20100407	JP20000574555T	19991001
NZ510813 A	20030829	NZ19990510813	19991001
PT1117682 T	20061229	PT19990952156T	19991001
US2005054827 AA	20050310	US20040918096	20040813
US2009275498 AA	20091105	US20070934723	20071102
US2012277166 AA	20121101	US20110115711	20110525
US6794361 BA	20040921	US20010787986	20010627
US7326682 BB	20080205	US20040918096	20040813
US7994128 BB	20110809	US20070934723	20071102
WO0020444 A1	20000413	WO1999AU00844	19991001

Priority:

AU1998PP06274 19981002	AU19990064530 19991001	EP19990952156 19991001
US19990787986 19991001	JP20000574555 19991001	WO1999AU00844 19991001
US20010787986 20010627	US20040918096 20040813	US20070934723 20071102
US20110115711 20110525		

Probable Assignee: XENOME LTD

Assignee(s): (std): ALEWOOD PAUL FRANCIS ; LEWIS RICHARD JAMES ; UNIV QUEENSLAND ; SHARPE IAIN ANDREW ; THE UNIVERSITY OF QUEENSLAND ; XENOME LTD

Assignee(s): UNIVERSITY OF QUEENSLAND THE ; UNIVERSITY OF QUEENSLAND ST LUCIAQUEENSLAND ; UNIQUEST PTY LTD ; XENOME LIMITED ; OF QUEENSLAND UNIV

Inventor(s): (std): ALEWOOD FRANCIS ; ALEWOOD PAUL F ; ALEWOOD PAUL FRANCIS ; LEWIS RICHARD J ; LEWIS RICHARD JAMES ; LEWIS JAMES ; SHARP IAIN A ; SHARPE ANDREW ; SHARPE IAIN ANDREW

Inventor(s): SHARPE IAIN ; LEWIS RICHARD ; PAUL FRANCIS ALEWOOD ; RICHARD JAMES LEWIS ; IAIN ANDREW SHARPE ; ALEWOOD PAUL

Agent(s): DAVIES COLLISON CAVE ; DAVIES COLLISON CAVE PTY LTD ; SIM AND MCBURNEY ; SUZUKI SHUNICHIRO ; SCULLY SCOTT MURPHY AND PRESSER PC ; FRANK S DIGIGLIO ESQ SCULLY SCOTT MURPHY AND PRESSER PC ; TOWNSEND AND TOWNSEND AND CREW

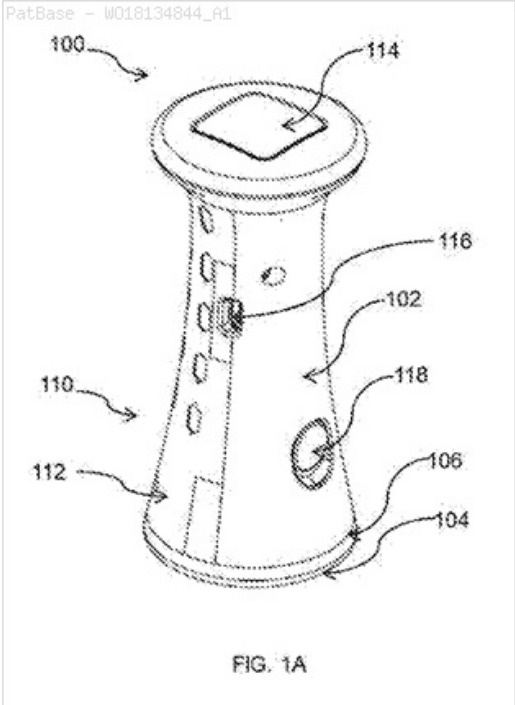
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FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU
LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

Title: A PORTABLE AUSCULTATION DEVICE

Abstract: A portable auscultation device that includes a device housing, and a transducer that captures a physiological signal indicative of a condition of a fetal heart and converts the physiological signal in an electrical signal. The device also includes a transducer housing attached to the device housing for holding the transducer. The device further includes a processor that processes the electrical signal produced by the transducer. Furthermore, the device includes a haptic feedback system disposed on the device housing that provides a haptic feedback to a user contacting the device housing based on the processed electrical signal. The haptic feedback system includes an isolation component that isolates the haptic feedback system from the transducer.

Classifications:

International (IPC 8-9): A61B5/00 A61B7/00
A61B7/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
IN201741001803 A	20180720	IN201741001803	20170117
WO18134844 A1	20180726	WO2018IN50022	20180116

Priority:

IN201741001803 20170117

Probable Assignee: BRUN HEALTH PVT LTD

Assignee(s): (std): BRUN HEALTH PRIVATE LTD ; TEEGALA BALAJI ; JHA PRASHANT

Assignee(s): BRUN HEALTH PVT LTD

Inventor(s): (std): JHA PRASHANT ; TEEGALA BALAJI

Agent(s): ARORA MANIKA

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 DJ 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 JO JP KE KG KH KM KN KP KR KW 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

Title: A FETAL SIZE MONITORING SYSTEM AND METHOD

Abstract: A system for monitoring the fetal size of an expectant mother comprises an acoustic sensor for positioning over the belly of the expectant mother, the acoustic sensor configured to receive an acoustic signal generated by the fetal heartbeat and to generate a sensor output signal. A fetal size is determined from a sensor output signal strength. This system is based on the realization that certain acoustic signals generated by the fetal heart beat are strongly correlated with the fetus size.

Classifications:

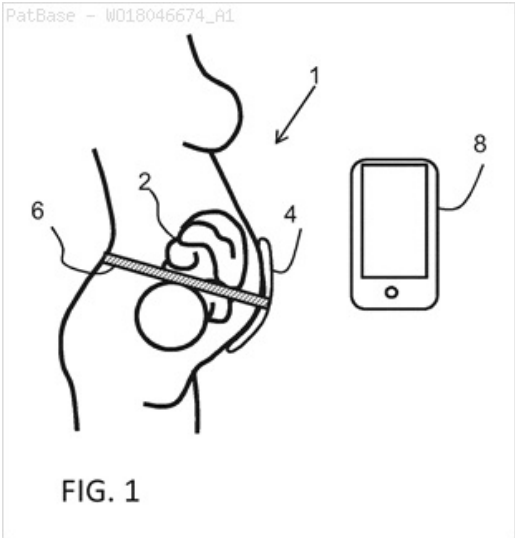
International (IPC 8-9): A61B5/00 A61B7/00

A61B7/04 (Advanced/Invention);

A61B8/08 (Advanced/Non-invention)

CPC: A61B5/4362 A61B7/04 A61B8/0866 A61B2503/02

A61B2562/0204 A61B7/026 A61B5/6823 A61B5/7235



Family:

Publication number	Publication date	Application number	Application date
WO18046674 A1	20180315	WO2017EP72610	20170908

Priority:

WO2016CN098447 20160908 EP20160197860 20161109

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): PHILIPS KONINKLL NV

Inventor(s): (std): DING MIAN ; LI LIN ; LI MINGDONG ; TIAN CONG ; YIN BIN

Agent(s): DE HAAN POUL ERIK

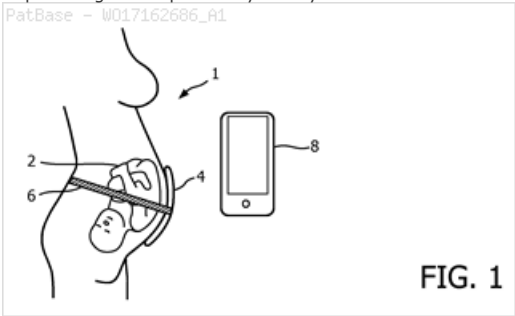
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Title: FETAL MOVEMENT MONITORING SYSTEM AND METHOD

Abstract: The invention provides a fetal movement monitoring system which uses optical pattern sensing to detect fetal movements. Fetal movements provide a change in the optical path between the optical sensor and detector, such as a different proportion of amniotic fluid and fetus and/or a different contact pressure with the optical sensor arrangements. One or both of these effects may be detected based on analysis of the optical signals captured by the system.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 A61B5/024
A61B5/03 A61B5/11 A61B5/1455 A61B5/1464 (Advanced/Invention)
CPC: A61B5/024 A61B5/0011 A61B5/0205 A61B5/03 A61B5/11
A61B5/1455 A61B5/1464 A61B2560/0412



Family:

Publication number	Publication date	Application number	Application date
WO17162686 A1	20170928	WO2017EP56722	20170321

Priority:

WO2016CN076872 20160321 EP20160168873 20160510

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): PHILIPS KONINKLL NV

Inventor(s): (std): LI LIN ; LUO ZHONGCHI ; QI YU ; TIAN CONG ; WEN GUANGLI ; WU YU QIANG ; YIN BIN

Agent(s): VAN IERSEL HANNIE CORNELIA PATRICIA MARIA 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 DJ 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 KH KM KN KP KR KW 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

Title: Novel nucleic acid sequences obtained from various cDNA libraries

Abstract: The present invention provides a plurality of novel nucleic acids isolated from cDNA libraries for adult brain, adult heart, adult lung, adult lymph node, adult liver, adult ovary, adult spleen, testis, bone marrow, endothelial cell, fetal kidney, fetal liver/spleen, fetal liver, fetal brain, infant brain, lung tumor, leukocyte, and mammary gland. These expressed sequence tags were determined to be novel by their failure to match any known sequences in several publicly available databases, including the dbEST database.

Classifications:

International (IPC 8-9): C07K14/47 C12Q1/68 (Advanced/Invention)
International (IPC 1-7): A61K38/17 C07H21/04 C07K14/435 C12N5/06 C12P21/02 C12Q1/68
CPC: C12Q1/6876 C07K14/47 C12Q1/6837 C12Q1/6874
European: C07K14/47 C12Q1/68M M07K207/00 M12Q1/68B10A M12Q1/68E4
US: 435/183 435/183S 435/320.1 435/320.100S 435/325 435/325S 435/6 435/6.16 435/6.160S 435/68.1 435/68.100P 435/69.1 435/69.100S 514/12 514/16.4 514/16.400S 514/17.7 514/17.700S 514/19.3 514/19.300S 514/3.8 514/3.800S 530/350 530/350S 536/23.2 536/23.200S

Family:

Publication number	Publication date	Application number	Application date
US2003073623 AA	20030417	US20010918995	20010730

Priority:

US20010918995 20010730

Probable Assignee: DICKSON MARK C

Assignee(s): (std): DICKSON MARK C ; DRMANAC RADOJE T ; JONES LEE WILLIAM ; LABAT IVAN ; STACHE CRAIN BIRGIT

Inventor(s): (std): STACHE CRAIN BIRGIT ; LABAT IVAN ; JONES LEE WILLIAM ; DRMANAC RADOJE T ; DICKSON MARK C