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Search query (2): (1) AND IPC=(A23 OR A01)
Results: 2890

Search history

Search 1: FT=(BOX~ OR CONTAINER~ OR CASE~ OR BIN~)AND(coffe OR cacao)AND(sheet) (Results 13051)

Search 2: (1) AND IPC=(A23 OR A01) (Results 2890)

Title: SYSTEMS AND METHODS FOR TREATING PATIENTS WITH PROCESSED LIPOASPIRATE CELLS

Abstract: Cells present in processed lipoaspirate tissue are used to treat patients. Methods of treating patients include processing adipose tissue to deliver a concentrated amount of stem cells obtained from the adipose tissue to a patient. The methods may be practiced in a closed system so that the stem cells are not exposed to an external environment prior to being administered to a patient. Compositions that are administered to a patient include a mixture of adipose tissue and stem cells so that the composition has a higher concentration of stem cells than when the adipose tissue was removed from the patient.

Classifications:

International (IPC 8-9): A01N63/00 A61B17/00 A61F2/00 A61F2/06 A61F2/44 A61F2/82 A61K31/43 A61K31/436 A61K35/00 A61K35/02 A61K35/12 A61K35/22 A61K35/28 A61K35/32 A61K35/34 A61K35/36 A61K35/44 A61K38/00 A61K38/16 A61K38/18 A61K38/20 A61K45/00 A61K45/06 A61K48/00 A61K8/98 A61K9/00 A61K9/70 A61L15/40 A61L15/44 A61L27/00 A61L27/18 A61L27/36 A61L27/38 A61L27/52 A61L27/54 A61L27/56 A61L31/00 A61M1/00 A61M1/36 A61P1/00 A61P1/04 A61P1/16 A61P11/00 A61P13/00 A61P13/12 A61P17/00 A61P17/02 A61P19/00 A61P19/02 A61P19/04 A61P19/08 A61P19/10 A61P21/00 A61P25/00 A61P25/02 A61P27/02 A61P29/00 A61P3/00 A61P3/06 A61P3/10 A61P37/06 A61P43/00 A61P9/00 A61P9/02 A61P9/04 A61P9/10 A61P9/14 C12M1/00 C12M1/12 C12M1/26 C12M3/00 C12M3/06 C12M3/08 C12N C12N5/00 C12N5/06 C12N5/07 C12N5/071 C12N5/074 C12N5/077 C12N5/0775 C12N5/0789 C12N5/08 C12N5/22 G06F19/00 G06Q30/00 G06Q30/04 G06Q50/00 G06Q50/22 (Advanced/Invention); A01N63/00 A61B10/02 A61K35/12 A61K35/32 A61K35/36 A61K45/00 A61K48/00 A61K9/00 A61P19/10 A61P25/02 A61P43/00 C12M1/00 C12M3/00 C12M3/08 C12N5/00 C12N5/074 C12N5/077 C12N5/0775 (Advanced/Non-invention); A01N63/00 A61K31/43 A61K35/00 A61K35/12 A61K35/28 A61K35/32 A61K35/36 A61K45/00 A61K48/00 A61L27/00 A61L31/00 A61P13/00 A61P19/00 A61P37/00 A61P43/00 C12M1/00 C12M1/26 C12M3/00 C12N5/00 C12N5/06 C12N5/077 C12N5/0775 C12N5/08 C12N5/22 (Core/Invention); A61K A61M C12N (Subclass/Invention)

International (IPC 1-7): A01N63/00 A01N65/00 A61F2/44 A61K31/436 A61K35/00 A61K35/02 A61K35/12 A61K35/32 A61K35/36 A61K38/00 A61K38/16 A61K45/00 A61K48/00 A61K6/00 A61L27/00 A61M1/00 A61M31/00 A61P1/16 A61P11/00 A61P13/12 A61P17/00 A61P19/00 A61P19/02 A61P21/00 A61P25/00 A61P27/02 A61P3/00 A61P3/10 A61P37/06 A61P9/00 A61P9/10 C12M1/00 C12M3/00 C12M3/06 C12N C12N0/00 C12N1/00 C12N5/00 C12N5/06 C12N5/08 C12Q1/00

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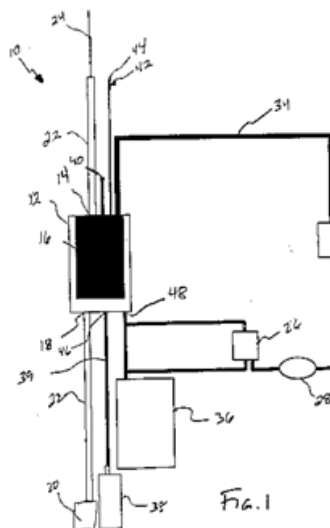
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Probable Assignee: CYTORI THERAPEUTICS INC

Assignee(s): (std): BYRNES BOBBY ; CALHOUN CHRISTOPHER ; CALHOUN CHRISTOPHER J ; CARISON GRACE ; CARLSON GRACE ; CYTORI THERAPEUTICS ; MACROPORE BIOSURGERY INC ; FRASER JOHN ; HENDRICK MARC H ; FRASER JOHN K ; HEDRICK MARC H ; DANIELS ERIC ; CYTORI THERAPEUTICS INC ; ZHU MIN ; STREM BRIAN M ; WULUR ISABELLA ; RILEY SUSAN LYNN ; SCHREIBER RONDA ELIZABETH ; TAI JOSEPH W ; SCHULZKI MICHAEL J ; TAI JOSEPH ; SCHREIBER RONDA E ; SITORI TERAP JUTIKS INK ; SCHREIBER RONDA ; SCHREIBER RHONDA ELIZABETH

Assignee(s): MACROPORE BIOSURGERY INC6740 TOP GUN STREETSAN DIEGOCA92121US ; OXFORD FINANCE LLC COLLATERAL AGENT AS ; GENERAL ELECTRIC CAPITAL CORP ; CYTORI THERAPEUTICS INC SAN DIEGO ; VERIZON LABORATORIES INC ; OXFORD FINANCE LLC ; MACROPORE BIOSURERY INC

Inventor(s): (std): BOBBY BYRNES ; BRIAN M STREM ; BYRNES BOBBY ; BYRNES BOBBY J ; CALHOUN CHRISTOPHER J ; CARISON GRACE ; DE EMEDIO MIKE ; ERIC DANIELS ; ERIC FRASER JOHN K HEDRICK MAR ; FRASER JOHN K ; GRACE CARISON ; GRACE HEDRICK MARC H FRASER JO ; HEDRICK MARC ; HEDRICK MARC H ; ISABELLA FRASER JOHN K HEDRICK ; ISABELLA WULUR ; JOHN FRASER ; JOHN K FRASER ; MARC H HEDRICK ; MARC H HENDRICK ; MICHAEL J SCHULZKI ; MIN ZHU ; CARLSON GRACE ; RILEY SUSAN L ; SCHREIBER RONDA ; SCHREIBER RONDA E ; SCHULZKI MICHAEL J ; TAI JOSEPH ; SCHREIBER RHONDA ELIZABETH ; ZHU MIN ; WULUR ISABELLA ; VULUR IZABELLA ; STREM BRIAN M ; STREM BRAJAN M ; SHANAHAN ROBERT K ; KHEDRIK MARK KH ; HENDRICK MARC H ; GRACE CARLSON ; FRAZER DZHON K ; FRASER JOHN ; DANIELS ERIC ; DANIEHLS EHRIC ; CALHOUN CHRISTOPHER ; TAI JOSEPH W ; SCHREIBER RONDA ELIZABETH ; RILEY SUSAN LYNN ; STREM BRIAN

Inventor(s): STREM BRIAN M ENCINITAS ; SUSAN LYNN RILEY ; TAI JOSEPH SAN DIEGO ; WULUR ISABELLA WESTFIELD ; ZHU MIN SAN DIEGO ; WULUR ISABELLA WEST HILLS ; STREM BRIAN M SAN DIEGO ; SCHULZKI MICHAEL ; HEDRICK MARC H ENCINO ; FRASER JOHN K LOS ANGELES ; DANIELS ERIC SANTA CLARITA ; SCHULZKI MICHAEL J RANCHO SANTA FE ; RILEY SUSAN LYNN SAN DIEGO ; DANIELS ERIC ENCINITAS ; RILEY SUSAN ; JOSEPH TAI ; HEDRICK MARC H ENCINITAS ; HEDRICK MARC H FRASER JOHN K SCHULZKI MICHAEL J BY ; HEDRICK MARC HUS ; HEDRICK MARE H ; FRASER JOHN K HEDRICK MARC H ZHU MIN STREM BRIAN M ; FRASER JOHN K SAN DIEGO ; FRASER JOHNUS ; CARISON GRACE WESTFIELD ; BYRNES BOBBY CARLSBAD

Agent(s): SPRUSON AND FERGUSON; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; SMART AND BIGGAR; PLOUGMANN AND VINGTOFT A S; EISENFUEHR SPEISER PATENTANWAELTE RECHTSANWAELTE PARTGMBB; EIP; SHARPLES ANDREW JOHN; ZACCO DENMARK A S; PLOUGMANN AND VINGTOFT A/S; ISERN JORGE; CAMPELLO REYES; EITAN MEHULAL AND SADOT; KUMAKURA YOSHIO; OGAWA NOBUO; HAKODA ATSUSHI; HIRAYAMA KOJI; ASAI KENJI; YAMASAKI KAZUO; KENTON R MULLINS STOUT UXA BUYAN AND MULLINS LLP; STOUT UXA BUYAN AND MULLINS LLP; KENTON R MULLINS; STOUT UXA BUYAN AND MULLINS LLP, SUITE 300; STOUT UXA BUYAN AND MULLINS LLP SUITE 300; KNOBBE MARTENS OLSON AND BEAR LLP; KNOBBLE MARTENS OLSON AND BEAR LLP; MULLINS KENTON R

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 SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: FOOD COMPOSITIONS OF MICROALGAL BIOMASS

Abstract: The invention provides algal biomass, algal oil, food compositions comprising microalgal biomass, whole microalgal cells, and/or microalgal oil in combination with one or more other edible ingredients, and methods of making such compositions by combining algal biomass or algal oil with other edible ingredients. In preferred embodiments, the microalgal components are derived from microalgal cultures grown and propagated heterotrophically in which the algal cells comprise at least 10 percent algal oil by dry weight.

Classifications:

International (IPC 8-9): A21D10/00 A21D13/00 A21D2/08 A21D2/16

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C12P7/64 (Advanced/Non-invention);

A23D7/005 A23D9/007 A23L1/30 A23L29/00 A23L33/00 A23L35/00

A61K31/17 C12P7/64 (Core/Invention);

A23B A23D C12P (Subclass/Invention)

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Publication number	Publication date	Application number	Application date
AU2009303354 AA	20100422	AU20093033354	20091014
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Priority:

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AU20180200063	20180104				

Probable Assignee: ALGENIST HOLDINGS INC

Assignee(s): (std): ARANA FELIPE ; AVILA JEFF ; BALIU ENRIQUE ; BROOKS GEOFFREY ; FRANKLIN SCOTT ; DECKER STEPHEN M ; CORAGLIOTTI ANNA ; DAY ANTHONY G ; NORRIS LESILE M ; CORBION BIOTECH INC ; SOLAZYME INC ; RAKITSKY WALTER ; PIECHOCKI JOHN ; ZDANIS DANA ; WITTENBERG JON ; NORRIS LESLIE M ; TERRAVIA HOLDINGS INC

Assignee(s): SIENA LENDING GROUP LLC ; N A ; ALGENIST HOLDINGS INC

Inventor(s): (std): AVILA JEFF ; BALIU ENRIQUE ; BROOKS GEOFFREY ; CHUA PENELOPE ; CORAGLIOTTI ANNA ; DANA ZDANIS ; DAY ANTHONY G ; DECKER STEPHEN M ; ENRIQUE BALIU ; ESPINA KAREN ; FELIPE ARANA ; FRANKLIN SCOTT ; GEOFFREY BROOKS ; JEFF AVILA ; JOHN PIECHOCKI ; JON WITTENBERG ; NORRIS LESILE M ; NORRIS LESLIE M ; PIECHOCKI JOHN ; RAKITSKY WALTER ; RUDENKO GEORGE ; SCOTT FRANKLIN ; SOMANCHI ARAVIND ; STEPHEN M DECKER ; WALTER RAKITSKY ; ZDANIS DANA ; WITTENBERG JON ; ARANA FELIPE

Inventor(s): DECKER STEPHEN ; LESILE M NORRIS

Agent(s): DAVIES COLLISON CAVE; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SMART AND BIGGAR; MARSHALL CAMERON JOHN; SPRUSON AND FERGUSON ASIA PTE LTD; TOWNSEND AND TOWNSEND AND CREW LLP SOLAZYME INC; ALSTON AND BIRD LLP; WEAVER AUSTIN VILLENEUVE AND SAMPSON LLP; TERMES LANCE A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT 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 FOR GENETIC CONTROL OF INSECT INFESTATIONS IN PLANTS AND COMPOSITIONS THEREOF

Abstract: The present invention relates to control of pest infestation by inhibiting one or more biological functions. The invention provides methods and compositions for such control. By feeding one or more recombinant double stranded RNA molecules provided by the invention to the pest, a reduction in pest infestation is obtained through suppression of gene expression. The invention is also directed to methods for making transgenic plants that express the double stranded RNA molecules, and to particular combinations of transgenic pesticidal agents for use in protecting plants from pest infestation.

Classifications:

International (IPC 8-9): C07K14/435 A01H1/00 A01H5/00 A01H5/10 A01M1/20 A01M29/00 A01N25/00 A01N25/06 A01N43/34 A01N47/44 A01N57/10 A01N57/16 A01N61/00 A01N63/00 A01N63/02 A01N63/04 A01N65/00 A01P1/00 A01P17/00 A01P19/00 A01P21/00 A01P3/00 A01P5/00 A01P7/04 A23B9/26 A23G1/00 A23G1/30 A23G1/32 A23K1/00 A23K1/16 A23K1/18 A23L1/00 A23L1/10 A23L1/30 A23L1/48 A23L3/3463 A61K31/10 A61K31/7105 A61K31/711 A61K31/713 A61K35/74 A61K36/06 A61K38/00 A61K48/00 A61K9/12 A61K9/48 A61P31/04 A61P33/06 C07H21/00 C07H21/02 C07H21/04 C07K1/14 C08B30/00 C11B1/00 C12N C12N1/13 C12N1/15 C12N1/19 C12N1/20 C12N1/21 C12N15/09 C12N15/11 C12N15/113 C12N15/12 C12N15/32 C12N15/63 C12N15/82 C12N15/87 C12N5/04 C12N5/10 C12N5/12 C12P19/34 C12Q1/68 (Advanced/Invention); A01N25/00 A01N63/00 C07H21/02 C07H21/04 C07K14/435 (Advanced/Non-invention); A01H1/00 A01H5/00 A01H5/10 A01M29/00 A01N43/34 A01N57/00 A01N63/00 A01N63/02 A01N65/00 A01P1/00 A01P17/00 A01P3/00 A01P5/00 A01P7/04 A23G1/00 A23G1/30 A23L1/48 A23L3/3463 A61K31/00 A61K31/7105 A61K31/711 A61K31/713 A61K38/00 A61K9/12 A61K9/48 A61P31/00 A61P33/00 C07H21/00 C07K14/435 C12N1/12 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/11 C12N15/12 C12N15/82 C12N5/00 C12N5/04 C12N5/10 C12P19/00 C12Q1/68 (Core/Invention); C07K C12N (Subclass/Invention)

International (IPC 1-7): A01H5/00 A01N63/02 A23K1/00 C07K14/435 C12N1/21 C12N15/11 C12N15/12 C12N15/82 C12N5/10

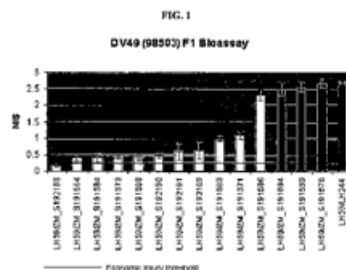
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Patent Application Publication: May 31, 2007 Sheet 1 of 7 US 2007/0124836 A1



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Probable Assignee: DEVGEN NV

Assignee(s): (std): BAUM JAMES A ; BLEU ELS VAN ; BOGAERT THIERRY ; BOGAERT THIERRY ANDRE OLIVIER EDDY ; BUAM JAMES A ; CAJACOB CLAIRE A ; MONSANTO TECHNOLOGY LLC ; FELDMANN PASCALE ; HECK GREGORY R ; MADDELEIN WENDY ; DEVGEN NV ; DEGRAVE LIES ; KUBLER LAURENT ; DAMME NICOLE ; MONSANTO TECH LLC ; PLAETINCK GEERT ; VAUGHN TY T ; NOOREN IRENE ; RAEMAEKERS ROMAAN ; VAN BLEU ELS ; PECQUEUR FREDERIC ; VANBLEU ELS ; REMORY ISABEL ; PLAETINCK GEERT KAREL MARIA ; MONSANTO TEKNOLODZHI LLS ; MONSANTO TEHNOLOGY LLC

Assignee(s): MONSANTO TECHNOLOGY LLC SOC ANONIMA ORGANIZADA BAJO LAS LEYES DEL ESTADO DE DELAWARE ; MONSANTO TECHNOLOGY LLC ST LOUIS ; DEVGEN N V ; DEVGEN NU

Inventor(s): (std): BAUM DZHEJMS A ; BAUM JAMES ; BAUM JAMES A ; BOGAERT THIERRY ; BOGAERT THIERRY ANDRE OLIVIER EDDY ; BOQAERT THIERRY ; BUAM JAMES A ; CAJACOB CLAIRE ; CAJACOB CLAIRE A ; DAMME NICOLE ; DEGRAVE LIES ; ELS BLEU VAN ; ELS VAN BLEU ; ELS VANBLEU ; FEL DMANN PASKAL ; FELDMANN PASCALE ; BLEU ELS ; BLEU ELS VAN ; CLAIRE A CAJACOB ; GEERT PLAETINCK ; GOVAERT THIERRY ; GREGORY R HECK ; FREDERIC PECQUEUR ; HECK GREGORY ; HECK GREGORY R ; IRENE NOOREN ; ISABEL REMORY ; JAMES A BAUM ; KUBLER LAURENT ; LAURENT KUBLER ; LIES DEGRAVE ; MADDELEIN WENDY ; MADDELEIN WENDY ET AL ; MADDELEIN WENDY T ; MADDELEN VENDI ; NICOLE DAMME ; NOOREN IRENA ; NOOREN IRENE ; KEJDZHEJKOB KLEHR A ; KHEK GREGORI R ; NOOREN IRENE MARIA ANTONIA ; PASCALE FELDMANN ; PECQUEUR FREDERIC ; PECUQUEUR FREDERIC ; PLAETINCK GEERT ; PLAETINCK GEERT KAREL MARIA ; PLATINK GERT ; RAEMAEKERS ROMAAN ; REMORY ISABEL ; ROMAAN RAEMAEKERS ; THIERRY BOGAERT ; TOM BOGAERT ; TY T VAUGHN ; VAN BLEU ELS ; VAN BLUE ELS ; VANBLEU ELS ; VAUGHN TY ; VAUGHN TY T ; VON TAJ T ; VON TAY T ; WENDY MADDELEIN

Inventor(s): VAUGHN TY T IMP ; VAUGHN TY T ST LOUIS ; TY TVAUGHN ; PLATINCK GEERT ; NOOREN IRENE AND ; JAMES ABAUM ; HECK GREGORY R CRYSTAL LAKE PARK ; FREDERIC PECUQUEUR ; GREGORY RHECK ; CLAIRE ACAJACOB ; BOGAERT A THIERRY ; FELDMANN PASCALE ST LOUIS ; FEL'DMANN PASKAL' ; CAJACOB CLAIRE A CHESTERFIELD ; BAUM JAMES A WEBSTER GROVES

Agent(s): PIZZEYS ; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD ; KNIGHTSBRIDGE PATENT ATTORNEYS ; DAVIES COLLISON CAVE ; DAVIES COLLISON CAVE PTY LTD ; GOUDREAU GAGE DUBUC ; GOWLING LAFLEUR HENDERSON LLP ; GOWLING WLG CANADA LLP ; MCFADDEN FINCHAM ; MCFADDEN FINCHAM INC ; OSLER HOSKIN AND HARCOURT LLP ; SMART AND BIGGAR ; ALESSANDRI ; BUNGARTZ CHRISTOPHERSEN PARTNERSCHAFT MBB PATENTANWAELTE ; DOMPATENT VON KREISLER SELTING WERNER PARTNERSCHAFT VON PATENTANWAELTEN U RECHTSANWAELTEN MBB ; HELBING JOERG ; VON KREISLER SELTING WERNER ; DE CLERCQ ANN G Y ET AL ; DE CLERCQ ANN G Y ; SYNGENTA INT AG ; DOMPATENT VON KREISLER SELTING WERNER PARTNERSCHAFT VON PATENT U RECHTSANWAELTEN MBB ; LEHMANN MARIA ISABEL ; CARPINTERO MARIO ; SHOJI TAKASHI ; SUKENOBU YURIKO ; FULBRIGHT AND JAWORSKI LLP ; WOLF GREENFIELD AND SACKS PC ; FOLEY AND LARDNER LLP, SUITE 500 ; SNR DENTON US LLP ; TIMOTHY K ; CARINE M ; DENTONS US LLP ; T K ; FOLEY AND LARDNER LLP ; YOSHIMI D ; AMANDA ; TOSHII D

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

Title: CELLULOLYTIC ENZYMES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: The invention provides polypeptides having any cellulolytic activity, e.g., a cellulase activity, an endoglucanase, a cellobiohydrolase, a beta-glucosidase, a xylanase, a mannanase, a beta-xylosidase, an arabinofuranosidase, and/or an oligomerase activity, polynucleotides encoding these polypeptides, and methods of making and using these polynucleotides and polypeptides. In one aspect, the invention is directed to polypeptides having any cellulolytic activity, e.g., a cellulase activity, e.g., endoglucanase, cellobiohydrolase, beta-glucosidase, xylanase, mannanase, beta-xylosidase, arabinofuranosidase, and/or oligomerase activity, including thermostable and thermotolerant activity, and polynucleotides encoding these enzymes, and making and using these polynucleotides and polypeptides. In one aspect, the invention provides polypeptides having an oligomerase activity, e.g., enzymes that convert recalcitrant soluble oligomers to fermentable sugars in the saccharification of biomass. The polypeptides of the invention can be used in a variety of pharmaceutical, agricultural, food and feed processing and industrial contexts. The invention also provides compositions or products of manufacture comprising mixtures of enzymes comprising at least one enzyme of this invention.

Classifications:

International (IPC 8-9): A01H1/06 A01H5/00 A01H5/10 A01K67/027

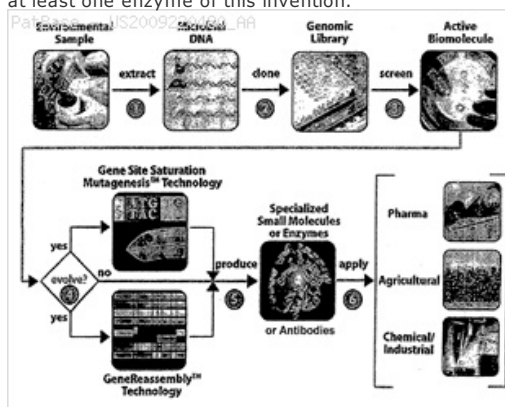
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International (IPC 1-7): C12N9/42

CPC: C12N9/2437 C12N9/2402 C12N9/2405 C12N9/248 C12Y302/01004 C12Y302/01006 C12Y302/01008 C12Y302/01021 C12Y302/01023 C12Y302/01039 C12Y302/01055 C12Y302/01091 Y02E50/16 Y02E50/17 Y10T428/249921 Y02A50/473

European: C12N9/24A C12N9/24A12B C12N9/24A2 C12N9/24A2D4 C12Y302/01004 C12Y302/01006 C12Y302/01008 C12Y302/01021 C12Y302/01023 C12Y302/01039 C12Y302/01055 C12Y302/01091 Y02E50/16

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Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20060772786P	20060210	AU20060338208	20061208	US20060278958	20061208
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Probable Assignee: BP PLC

Assignee(s): (std): BP CORP NORTH AMERICA INC ; DIVERSA CORP ; GRAY KEVIN A ; CAYOUEE MICHELLE ; VERENIUM CORP ; CAYOUEE MICHELLE H ; ZHAO LISHAN

Assignee(s): VERENIUM CORP4955 DIRECTORS PLACESAN DIEGOCA92121US ; BP NORTH AMERICA INC WARRENVILLE CORP ; BP PLC ; ENERGY UNITED STATES DEPARTMENT OF ; BP NORTH AMERICA INC CORP ; BP NORTH AMERICA INC CORP4104 WINFIELD ROADWARRENVILLEIL60555US ; BP NORTH AMERICA INC HOUSTON CORP

Inventor(s): (std): CAYOUEE MICHELLE ; CAYOUEE MICHELLE ; CAYOUEE MICHELLE H ; KEVIN A GRAY ; LISHAN ZHAO ; MICHELLE CAYOUEE ; ZHAO LISHAN ; GRAY KEVIN A

Inventor(s): GRAY KEVIN A SAN DIEGO ; GRAY KEVIN AUS ; ZHAO LISHAN CARLSBAD ; ZHAO LISHANUS ; CAYOUEE MICHELLE H SAN DIEGO ; CAYOUEE MICHELLE SAN DIEGO ; CAYOUEE MICHELLEUS

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; KUHNEN AND WACKER PATENT U RECHTSANWALTSBUERO; WAKERLEY HELEN RACHAEL; VERENIUM INTELLECTUAL PROPERTY DEPARTMENT CORP; KALIM S; DLA PIPER LLP

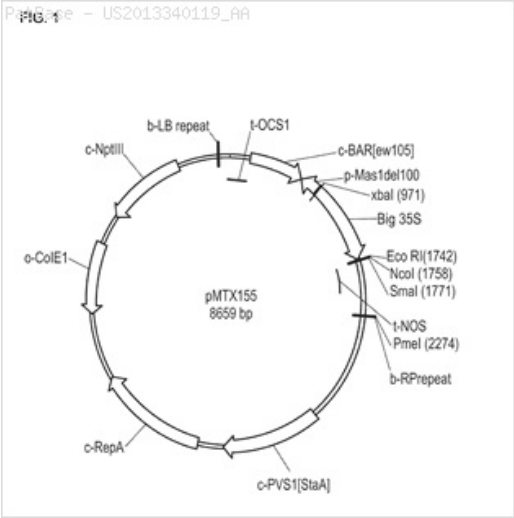
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL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

Title: METHOD FOR INCREASING YIELD AND FINE CHEMICAL PRODUCTION IN PLANTS

Abstract: A method for enhancing yield-related traits in plants by modulating expression in a plant of a nucleic acid encoding a POI (Protein Of Interest) polypeptide is provided. Methods for the production of plants having modulated expression of a nucleic acid encoding a DnaJ-like chaperone polypeptide are provided, in which plants have enhanced yield-related traits compared to control plants. Nucleic acids encoding DnaJ-like chaperone, constructs comprising the same and uses thereof are also provided.

Classifications:

International (IPC 8-9): A01H1/00 A01H5/06 A01H5/10 C07H3/02 C07K14/415 C11B1/00 C12N15/05 C12N15/29 C12N15/82 C12N5/14 C12P1/00 C12P7/02 (Advanced/Invention); A01H5/00 (Advanced/Non-invention); A01H C07H C11B C12N C12P (Subclass/Invention)
CPC: C12N15/8247 A23D9/02 C07K14/415 C11B1/10 C11C3/00 C11C3/003 C12N15/8245 C12P1/00 C12N15/8243 C12N15/8261 Y02A40/146
European: A23D9/02 C07K14/415 C11B1/10 C11C3/00 C11C3/00B C12N15/82C4B2 C12N15/82C4B4
US: 435/100 435/105 435/134 435/243 435/320.1 435/41 435/419 435/6.1 435/69.1 435/7.1 530/300 530/387.1 536/128 536/23.1 554/8 800/278 800/290 800/298



Family:

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AR084726 AA	20130605	AR2011P104137	20111104
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Priority:

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EP20100186930	20101008	EP20100188863	20101026	EP20100189169	20101028
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WO2011B54792	20111027	EP20110837655	20111027	US20110883450	20111027

Probable Assignee: BASF SE

Assignee(s): (std): BASF PLANT SCIENCE CO GMBH ; BLAU ASTRID ; BRUCE WESLEY ; CHRISTIANSEN NICOLE ; HAAKE VOLKER ; FAHNENSTICH HOLGER ; BLAESING OLIVER ; BASF SE ; HERBOLD MICHAEL MANFRED ; MCKERSIE BRYAN ; PUZIO PIOTR ; PLESCH GUNNAR ; HENKES STEFAN ; KAMLAGE BEATE ; WENDEL BIRGIT ; VAN CAMP WIM ; HEROLD MICHAEL MANFRED ; REUZEAU CHRISTOPHE ; THIMM OLIVER ; HENDRIKS JANNEKE ; BASF CHINA CO LTD

Assignee(s): BASF CHINA COMPANY LIMITED ; BASF PLANT SCIENCE COMPANY GMBH

Inventor(s): (std): REUZEAU CHRISTOPHE ; THIMM OLIVER ; WENDEL BIRGIT ; VAN CAMP WIM ; PUZIO PIOTR ; PLESCH GUNNAR ; MCKERSIE BRYAN ; KAMLAGE BEATE ; HEROLD MICHAEL MANFRED ; HERBOLD MICHAEL MANFRED ; HENKES STEFAN ; HAAKE VOLKER ; FAHNENSTICH HOLGER ; CHRISTIANSEN NICOLE ; BRUCE WESLEY ; BLAU ASTRID ; BLAESING OLIVER ; BLASING OLIVER ; HENDRIKS JANNEKE

Inventor(s): JANNEKE HENDRIKS ; MICHAEL MANFRED HEROLD ; OLIVER BLAESING ; OLIVER THIMM ; PIOTR PUZIO ; CHRISTOPHE REUZEAU ; GUNNAR PLESCH ; ASTRID BLAU ; BEATE KAMLAGE ; BIRGIT WENDEL

Agent(s): GRIFFITH HACK; ROBIC; POPP ANDREAS

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 OM 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: FOOD COMPOSITIONS COMPRISING TAILORED OILS

Abstract: Methods and compositions for the production of food compositions, oils, fuels, oleochemicals, and other compounds in recombinant microorganisms are provided, including oil-bearing microorganisms and methods of low cost cultivation of such microorganisms. Microalgal cells **containing** exogenous genes encoding, for example, a lipase, a sucrose transporter, a sucrose invertase, a fructokinase, a polysaccharide-degrading enzyme, a keto acyl-ACP synthase enzyme, a fatty acyl-ACP thioesterase, a fatty acyl-CoA/aldehyde reductase, a fatty acyl-CoA reductase, a fatty aldehyde reductase, a fatty aldehyde decarboxylase, and/or an acyl carrier protein are useful in manufacturing food compositions, and transportation fuels such as renewable diesel, biodiesel, and renewable jet fuel, as well as oleochemicals such as functional fluids, surfactants, soaps and lubricants.

Classifications:

International (ipc 8-9): A01N37/00 A01N55/06 A21D13/00 A21D2/14 A23C9/12 A23D7/00 A23D7/005 A23D7/02 A23D9/00 A23D9/02 A23G1/36 A23G1/38 A23G3/00 A23G3/34 A23G9/32 A23G9/44 A23G9/52 A23K1/16 A23K20/158 A23L15/00 A23L2/00 A23L2/38 A23L23/00 A23L27/60 A23L33/10 A23L7/109 A61K31/305 C07C51/00 C07C53/00 C09K3/00 C10G3/00 C10L1/00 C10L1/02 C10L1/08 C10L1/18 C10L1/19 C10L1/232 C10M101/04 C10M105/38 C10M177/00 C11B1/00 C11B3/00 C11B5/00 C11C1/00 C11C3/00 C12N1/00 C12N1/12 C12N1/13 C12N1/19 C12N1/20 C12N1/21 C12N15/00 C12N15/09 C12N15/52 C12N15/67 C12N15/74 C12N15/79 C12N15/82 C12N9/00 C12N9/02 C12N9/16 C12N9/26 C12N9/40 C12P1/00 C12P7/64 (Advanced/Invention); C12N15/09 C12N15/67 C12P7/64 (Advanced/Non-invention); A23D C11B C12N C12P (Subclass/Invention)

International (ipc 1-7): A23D9/00 C11B5/00

CPC: C11C3/00 A23D7/00 C11B1/00 Y02E50/13 Y02T50/678 C12N9/16 C12N15/67 C12N15/8216 C12Y301/02014 C12P7/6463 C12P7/64 C12N9/2431 C12N9/2465 C12N9/0071 C12Y302/01022 C12Y302/01026 C12Y301/02 C12Y114/19001 C12N15/79 C12P7/6445 C12N15/74 C12P1/00 A23K20/158 Y02P30/20 A23D9/00

European: A23D7/00 A23D9/00 A23K1/161 C11B1/00

US: 1/1 106/287.24 106/31.13 252/182.12 252/182.120S 426/607 426/61 426/61P 435/134 435/134P 435/252.3 435/252.300S 435/254.2 435/254.200S 435/257.2 435/257.200S 435/257.3 435/41 435/41S 44/307 44/308 44/343 44/343S 508/516 514/786 528/85 554/213 554/223 554/227

PatBase - US2011293785_AA

Patent Application Publication

Dec. 1, 2011

US 2011/0293785 A1

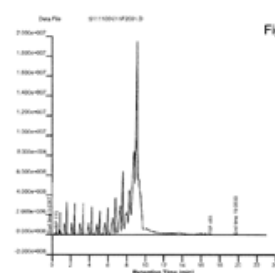


Figure 1

Family:

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Priority:

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Probable Assignee: CORBION BIOTECH INC

Assignee(s): (std): CORBION BIOTECH INC ; FRANKLIN SCOTT ; MOSELEY JEFFREY L ; RAKITSKY WALT ; SOLAZYME INC ; SOMANCHI ARAVIND ; WEE JANICE ; RUDENKO GEORGE ; TERRAVIA HOLDINGS INC

Assignee(s): N A

Inventor(s): (std): ARAVIND SOMANCHI ; FRANKLIN SCOTT ; GEORGE RUDENKO ; JANICE WEE ; JEFFREY L MOSELEY ; MOSELEY JEFFREY L ; RAKITSKY WALT ; RAKITSKY WALTE ; RAKITSKY WALTER ; RUDENKO GEORGE ; SCOTT FRANKLIN ; SOMANCHI ARAVIND ; WALT RAKITSKY ; WEE JANICE

Agent(s): DAVIES COLLISON CAVE; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SMART AND BIGGAR; MARSHALL CAMERON JOHN; SPRUSON AND FERGUSON ASIA PTE LTD; ALSTON AND BIRD LLP; WEAVER AUSTIN VILLENEUVE AND SAMPSON LLC; TERMES LANCE A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT 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: NOVEL METHODS OF ENZYME PURIFICATION

Abstract: The invention relates to alpha amylases and to polynucleotides encoding the alpha amylases. In addition methods of designing new alpha amylases and methods of use and purification thereof are also provided. The alpha amylases have increased activity and stability at increased pH and temperature.

Classifications:

International (IPC 8-9): A01H1/00 A01H3/00 A01H5/00 A01H5/10 A01K67/027 A21D10/00 A21D10/02 A21D13/00 A21D2/00 A21D2/24 A21D2/26 A21D8/00 A21D8/02 A21D8/04 A23J3/20 A23K1/00 A23K1/14 A23K1/16 A23K1/165 A23K1/17 A23K1/18 A23K10/00 A23K10/14 A23K10/30 A23K20/00 A23K20/147 A23K20/189 A23L1/00 A23L1/03 A23L1/09 A23L1/10 A23L1/105 A23L1/227 A23L1/277 A23L1/29 A23L1/30 A23L1/305 A23L1/48 A23L2/66 A23L2/84 A23L29/30 A23L33/00 A23L33/10 A23L33/125 A23L33/17 A23L33/18 A23L33/20 A23L7/10 A23L7/104 A61K31/713 A61K38/00 A61K38/43 A61K38/46 A61K38/47 A61K48/00 A61K6/64 A61K6/66 A61P1/02 A61Q11/00 A61Q19/10 B02C9/00 C02F3/34 C07C29/09 C07C31/08 C07H C07H15/04 C07H21/00 C07H21/02 C07H21/04 C07K1/00 C07K14/00 C07K14/195 C07K16/40 C07K17/00 C07K19/00 C08B C08B30/04 C08L3/02 C09K8/02 C09K8/035 C09K8/20 C09K8/524 C09K8/58 C09K8/582 C10L1/02 C11D17/06 C11D17/08 C11D3/00 C11D3/386 C11D7/32 C11D7/42 C12C1/00 C12C11/00 C12C5/00 C12C7/00 C12C7/04 C12G3/00 C12G3/02 C12G3/04 C12H21/04 C12M1/00 C12N C12N1/00 C12N1/12 C12N1/15 C12N1/19 C12N1/20 C12N1/21 C12N11/00 C12N11/02 C12N11/08 C12N11/14 C12N11/16 C12N15/00 C12N15/09 C12N15/10 C12N15/11 C12N15/113 C12N15/52 C12N15/56 C12N15/63 C12N15/82 C12N5/04 C12N5/06 C12N5/10 C12N5/16 C12N5/20 C12N9/00 C12N9/10 C12N9/24 C12N9/26 C12N9/28 C12N9/30 C12N9/32 C12N9/34 C12N9/44 C12N9/48 C12P C12P1/00 C12P19/02 C12P19/04 C12P19/12 C12P19/14 C12P19/16 C12P19/20 C12P19/22 C12P19/24 C12P19/34 C12P21/02 C12P21/04 C12P21/06 C12P21/08 C12P7/02 C12P7/06 C12P7/10 C12P7/14 C12Q1/02 C12Q1/40 C12Q1/68 C12S11/00 C12S3/00 C12S3/02 C12S3/08 C12S3/10 C12S3/12 C12S9/00 C13B5/00 C13B50/00 C13K1/00 C13K1/02 C13K1/06 C13K7/00 C40B30/08 C40B40/08 C40B40/10 C40B50/06 D06L1/00 D06L3/11 D06M13/342 D06M15/15 D06M15/59 D06M16/00 D21C1/00 D21C3/00 D21C3/22 D21C5/00 D21C5/02 D21C9/00 D21C9/08 D21C9/10 D21C9/147 D21H11/20 D21H17/22 D21H21/00 D21H21/14 E21B21/00 E21B43/22 G01N33/573 G06F17/00 G06F19/00 G06F19/10 G06F19/22 (Advanced/Invention);

A21D8/04 A61K38/00 C07B61/00 C12C5/00 C12N15/56 C12N9/26 C12N9/28 C12N9/34 C12P19/14 C12P19/16 C12P19/20 C12P21/08 C12Q1/68 (Advanced/Non-invention);

A01H1/00 A21D8/02 A23K1/165 A23L1/03 A23L1/09 C07H21/00 C11D3/38 C12C5/00 C12N1/20 C12N9/00 C12N9/26 C12N9/44 C12P19/00 C12P21/06 C12Q1/68 C12S3/00 (Core/Invention);

A61K C07H C12N C12P (Subclass/Invention)

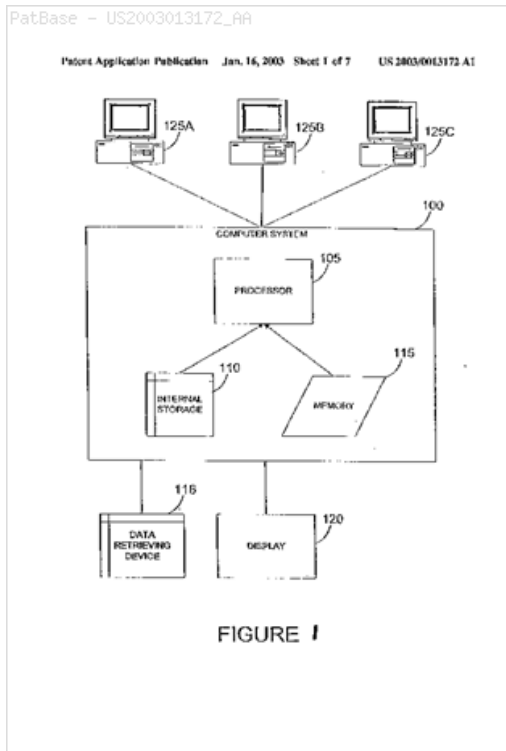
International (IPC 1-7): A01H5/00 A01H5/10 A01K67/027 A21D2/26 A23K1/18 A61K A61K0/00 A61K31/713 A61K38/47 A61K48/00 C07H21/00 C07H21/02 C07H21/04 C07K1/00 C07K16/40 C08B30/04 C08L3/02 C11D7/32 C12N C12N1/00 C12N1/12 C12N1/15 C12N1/19 C12N1/20 C12N1/21 C12N11/00 C12N15/00 C12N15/09 C12N15/10 C12N15/56 C12N15/74 C12N5/06 C12N5/10 C12N9/00 C12N9/02 C12N9/16 C12N9/22 C12N9/24 C12N9/26 C12N9/28 C12N9/32 C12N9/42 C12N9/44 C12P19/02 C12P19/14 C12P19/34 C12P21/02 C12P21/06 C12P21/08 C12Q1/02 C12Q1/40 C12Q1/68 C12Q3/00 D06M15/15 D06M16/00 D21C5/02 D21H17/22 D21H21/14 G01N33/48 G01N33/50 G01N33/573 G06F17/00 G06F19/00 G06F19/22 C12P19/16 C12P19/20 Y02E50/16 A21D8/042 C11D3/386 C12C5/004 C12N9/2428 C12N9/2451 C12Y302/01001 C12Y302/01002 Y02E50/17 C12Y302/01 A23V2002/00 C12N9/2411 A23K10/14 A23K20/189 A23L29/06 A23L29/35 C12P19/04 C12N9/2417 C12N9/2414 C12P19/14

European: A21D8/04B A23K1/165B A23K1/165B1 A23L1/03E A23L1/09D C11D3/386 C12C5/00C C12N9/24A2B1 C12N9/24A2B1A C12N9/24A2B1A2 C12N9/24A2B1C C12N9/24A2F C12N9/26 C12N9/44 C12P19/14 C12P19/16 C12P19/20 C12Y302/01001 C12Y302/01002 K61K38/00 Y02E50/16 Y02E50/17

US: 1/1 162/158 162/174 162/174S 162/5 162/5S 162/72 162/72S 166/310 424/50 424/94.1 424/94.61 424/94.610 424/94.610S 426/11 426/11S 426/12 426/18 426/18S 426/2 426/20 426/20S 426/28 426/28S 426/29 426/2S 426/43 426/46 426/46S 426/48 426/48P 426/48S 426/49 426/52 426/52 426/53 426/54 426/54S 426/59 426/59 426/63 426/64 426/656 426/7 426/7S 435/105 435/105S 435/155 435/155S 435/161 435/161P 435/161S 435/162 435/174 435/174S 435/183 435/183S 435/189 435/189P 435/196 435/196S 435/199 435/199S 435/200 435/201 435/201P 435/201S 435/202 435/202S 435/203 435/204 435/204S 435/205 435/205S 435/209 435/209S 435/210 435/212 435/212 435/243 435/243S 435/252.3 435/252.300S 435/252.31 435/252.310S 435/252.33 435/252.330S 435/252.34 435/252.340S 435/252.35 435/252.350S 435/254.11 435/254.110S 435/254.2 435/254.200S 435/262 435/263 435/263S 435/264 435/264S 435/267 435/267S 435/274 435/275 435/276 435/277 435/278 435/280 435/320.1 435/320.100S 435/325 435/325S 435/348 435/348S 435/354 435/354S 435/358 435/365 435/371 435/4 435/41 435/410 435/410S 435/419 435/419S 435/440 435/456 435/456S 435/6 435/6.13 435/6.130P 435/6.130S 435/6.14 435/6.140S 435/6.15 435/6.150P 435/6.150S 435/6.19 435/6.190P 435/69.1 435/69.100S 435/691 435/6P 435/6S 435/91.1 435/93 435/94 435/95 435/96 435/96P 435/98 435/99 435/99P 435/99S 507/101 507/101S 510/320 510/320S 510/392 510/392S 530/350 530/388.26 530/388.260 530/388.260S 536/23.1 536/23.100P 536/23.2 536/23.200S 536/23.4 536/23.5 536/23.6 536/23.7 536/232 536/24.3 536/24.300S 536/24.31 536/254.11 536/254.2 702/20 702/20S 800/18 800/18P 800/284 800/284P 800/284S 800/295 800/295S 800/298 800/298P

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: VERENIUM CORP

Assignee(s): (std): GERENDASH JOEL ; DIVERSA CORP ; CALLEN WALTER ; FREY GERHARD ; KAZAOKA MARTIN ; GRAY KEVIN ; GRAY KEVIN A ; GARRETT JAMES B ; DIVERSE CORP ; GARRETT JAMES ; RICHARDSON TOBY ; MILLER CARL ; SHORT JAY M ; MATHUR ERIC J ; MATHUR ERIC ; KEROVUO JANNE S ; SLUPSKA MATGORZATA ; SLUPSKA MALGORZATA ; MILLER CARL A ; O DONOGHUE EILEEN ; VERENIUM CORP ; SYNGENTA PARTICIPATIONS AG ; SHORT JAY ; BARTON NELSON ; BARTON NELSON R ; BASF ENZYMES LLC ; ABOUSHADI NAHLA

Assignee(s): ATHYRIUM OPPORTUNITIES FUND A LP ; BASF ENZYMES LLC SAN DIEGO ; SYNGENTA PARTICIPATIONS ; VERENIUM CORP SAN DIEGO ; KEROVUO JANNE E ; COMERICA BANK A TEXAS BANKING ASSOCIATION

Inventor(s): (std): ABOUSHADI NAHLA ; BARTON NELSON ; BARTON NELSON R ; CALLEN W ; CALLEN WALTER ; CARL A MILLER ; CARL MILLER ; EILEEN O DONOGHUE ; ERIC J MATHUR ; ERIC MATHUR ; FREY G ; FREY GERHARD ; G FREY ; GARRETT JAMES B ; GERENDASH JOEL ; GERHARD FREY ; GRAY KEVIN ; GRAY KEVIN A ; JAMES B GARRETT ; JANNE S KEROVUO ; JAY M SHORT ; KEROVUO JANNE E ; KEROVUO JANNE S ; KAZAOKA MARTIN ; KEVIN A GRAY ; KEVIN GRAY ; MARTIN KAZAOKA ; MATGORZATA SLUPSKA ; MILLER CARL ; MILLER CARL A ; NAHLA ABOUSHADI ; NELSON BARTON ; O DONOGHUE EILEEN ; MATHUR ERIC ; MATHUR ERIC J ; RICHARDSON T ; RICHARDSON TOBY ; RICHARSON TOBY ; SHORT JAY M ; SLUPSKA MALGORZATA ; SLUPSKA MATGORZATA ; T RICHARDSON ; W CALLEN ; WALTER CALLEN ; TOBY RICHARDSON ; MALGORZATA SLUPSKA ; KEROVUO JANNE S ; GARRETT JAMES ; ABOUSHADI NAHLA M ; SHORT JAY

Inventor(s): O'DONOGHUE EILEEN ; FREY GERARD ; GRAY KEVIN ANTHONY ; KEROVUO JANNE SAMULI ; TOBY RICHARSON ; MATHUR ERIC JAN ; TOBY FREY ; SLUPSKA MATGORZATA SAN DIEGO ; SLUPSKA MALGORZATA MARIA ; SLUPSKA MALGORZATA SAN DIEGO ; SLUPSKA MALGORZATO MARIA ; SHORT JAY M DEL MAR ; SHORT JAY M RANCHO SANTA FE ; SHORT JAY MILTON ; RICHARDSON TOBY SAN DIEGO ; MATHUR ERIC J CARLSBAD ; O DONOGHUE EILEEN SAN DIEGO ; MILLER CARL CARLSBAD ; MILLER CARL RALEIGH ; MATHOR ERIC JAN ; MALGORZATA MARIA ; KEVIN ANTHONY SLUPSKA ; KAZAOKA MARTIN SAN DIEGO ; KEROVUO JANNE ; KEROVUO JANNE S SAN DIEGO ; KEROVUO JANNES ; JAY MILTON MATHUR ; JANNE SAMULI GRAY ; GRAY KEVIN SAN DIEGO ; ILLER CARL ; GERHARD SHORT ; FREY GERHARD SAN DIEGO ; ERIC JAN KEROVUO ; CALLEN WALTER RICHARDSON ; CALLEN WALTER SAN DIEGO ; BARTON NELSON SAN DIEGO

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT ATTORNEYS; FREEHILLS PATENT ATTORNEY S; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; ROBIC; MAIWALD PATENTANWALTSGESELLSCHAFT MBH; MAIWALD PATENTANWALT U RECHTSANWALTSGESELLSCHAFT MBH; MAIWALD PATENTANWALT GMBH; LADENDORF OLIVER; HUENGES MARTIN; CARVAJAL Y ISABEL; OGAWA NOBUO; HAKODA ATSUSHI; KUMAKURA YOSHIO; ASAI KENJI; YAMASAKI KAZUO; ICHIKAWA SATSUKI; TAKIZAWA TOSHIO; HIRAKI YUSUKE; TANAKA NATSUO; FUJITA TAKASHI; ARAI EIICHI; OKTAY SIMSEK; YESIM METIN; DIVERSA C O MOFO SD; VERENIUM C O MOFO SD; VERENIUM INTELLECTUAL PROPERTY DEPARTMENT CORP; MORRISON AND FOERSTER LLP; MORRISON AND FOERSTER LLP; LYNN M; LYNN; JENNIFER; VERENIUM CORP; ALSTON AND BIRD LLP; MYERS BIGEL SIBLEY AND SAJOVEC PA; BRIAN W; JUSTIN H; BASF ENZYMES LLC

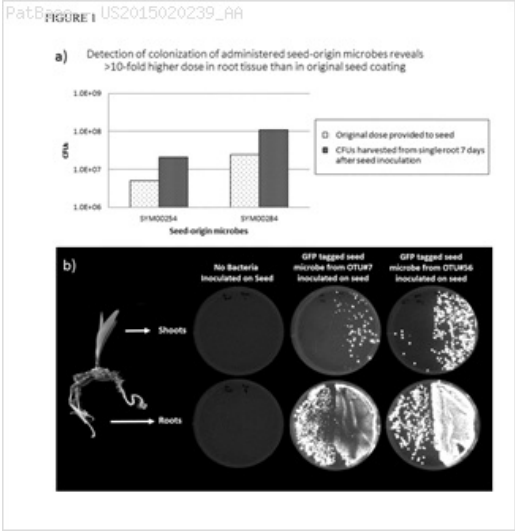
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Title: SEED-ORIGIN ENDOPHYTE POPULATIONS, COMPOSITIONS, AND METHODS OF USE

Abstract: This application relates to methods and materials for providing a benefit to a seed or seedling of an agricultural plant (e.g., an agricultural grass plant), or the agricultural plant derived from the seed or seedling. For example, this application provides purified bacterial populations that include novel seed-origin bacterial endophytes, and synthetic combinations of seeds and/or seedlings (e.g., cereal seeds and/or seedlings) with heterologous seed-derived bacterial endophytes.

Classifications:

International (IPC 8-9): A01C A01C1/00 A01C1/06 A01G1/00 A01G7/00 A01G7/06 A01H1/04 A01H17/00 A01H5/00 A01H5/10 A01N A01N25/00 A01N25/26 A01N37/46 A01N63/00 A01N63/02 A01N63/04 A01N65/42 A01P21/00 A1N63/02 A1N63/04 C05F11/08 C12N C12N1/04 C12N1/20 C12N15/00 C12Q1/00 C12Q1/68 C40B30/06 G01N33/00 G01N33/50 (Advanced/Invention); A01C1/00 C12N1/14 C12N1/20 (Advanced/Non-invention); A01C A01N G01N (Subclass/Invention)
International (IPC 1-7): A01C1/06 C12N1/20 C12N15/00
CPC: A01H17/00 A01C1/06 A01C1/00 A01N25/00 C12N1/20 G01N33/0098 Y02W30/47 G01N33/5097 A01H5/00 A01N63/00 A01N63/04 A01N37/46 A01N63/02 C05F11/08
US: 1/1 426/615 426/635 435/252.1 435/254.1 504/100 504/101 504/117 71/11 71/6 71/7 800/298 800/300 800/300.1 800/301 800/312 800/314 800/317.1 800/317.4 800/320 800/320.1 800/320.2 800/320.3



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Probable Assignee: INDIGO INC AG

Assignee(s): (std): AUSTRIAN INST OF TECHNOLOGY GMBH ; INDIGO INC AG ; INDIGO AGRICULTURE INC ; AIT AUSTRIAN INST OF TECH GMBH ; AIT AUSTRIAN INST TECHNOLOGY ; SYMBIOTA INC ; SYMBIOTA LLC ; VON MALTZAHN GEOFFREY ; SAMAYOA PHILLIP

Assignee(s): SYMBIOTA HOLDINGS INC ; SESSITSCH ANGELA ; REICHENBERGER GUENTHER ; ZHANG XUECHENG ; PHILLIP SAMAYOA ; WEISMAN DAVID R ; SADOWSKI CRAIG ; TOLEDO GERARDO V ; AMBROSE KAREN ; AIT AUSTRIAN INST OF TECHNOLOGY GMBH ; MITTER BIRGIT ; PFAFFENBICHLER NIKOLAUS ; PASTAR MILICA ; LEFF JONATHAN W ; JACK ALLISON ; GEOFFREY VON MALTZAHN ; NAVEED MUHAMMAD ; LIVA STEPHANIE M ; GULICK TRUDI A ; DJONOVIC SLAVICA ; FLAVELL RICHARD ; FLAVELL RICHARD BAILEY ; COMPANT STEPHANE ; BERNINGER TERESA ; AMBROSE KAREN V ; BILLINGS NATHAN A ; MARQUEZ LUIS MIGUEL ; LYFORD JEFFREY ; NAYDICH ALEXANDER ; MILLET YVES ALAIN ; JOHNSTON DAVID MORRIS

Inventor(s): (std): AMBROSE KAREN V ; ANGELA SESSITSCH ; BERNINGER TERESA ; BILLINGS NATHAN A ; BIRGIT MITTER ; COMPANT STEPHANE ; CRAIG SADOWSKI ; DAVID MORRIS JOHNSTON ; DAVID R WEISMAN ; DJONOVIC SLAVICA ; FLAVELL RICHARD ; FLAVELL RICHARD BAILEY ; FLAVELL RIHARD BAILEY ; GERARDO V TOLEDO ; GUENTHER REICHENBERGER ; GULICK TRUDI A ; JACK

ALLISON ; JOHNSTON DAVID MORRIS ; JONATHAN W LEFF ; KAREN AMBROSE ; KAREN V AMBROSE ;
LEFF JONATHAN W ; LEFT JONATHAN W ; LIVA STEPHANIE M ; GEOFFREY VON MALTZAHN ; JEFFREY
LYFORD ; LUIS MIGUEL MARQUEZ ; LYFORD JEFFREY ; MALTZAHN GEOFFREY VON ; MILLET YVES ALAIN
; MITTER BIRGIT ; NATHAN A BILLINGS ; NAVEED MUHAMMAD ; NAYDICH ALEXANDER ; NIKOLAUS
PFAFFENBICHLER ; PASTAR MILICA ; PFAFFENBICHLER NIKOLAUS ; PHILLIP SAMAYOA ;
REICHENBERGER GUENTHER ; MARQUEZ LUIS MIGUEL ; MILICA PASTAR ; RICHARD BAILEY FLAVELL ;
SADOWSKI CRAIG ; SAMAYOA PHILIP ; SAMAYOA PHILLIP ; SESSITSCH ANGELA ; SLAVICA
DJONOVIC ; STEPHANIE M LIVA ; TOLEDO GERARDO V ; TRUDI A GULICK ; VON MALTZAHN GEOFFREY
; WEISMAN DAVID R ; XUECHENG ZHANG ; YVES ALAIN MILLET ; ZHANG XUECHENG

Inventor(s):

YVES ALAIN ; VON MALTZAHN ; TOLEDO ; SLAVICA ; RICHARD FLAVELL ; SADOWSKI ; MILLET ;
RICHARD ; NAYDICH ; MARQUEZ ; LYFORD ; JOHNSTON ; GERARDO V ; LUIS MIGUEL ; JEFFREY ;
GEOFFREY ; FLAVELL ; DJONOVIC ; DAVID MORRIS ; ALEXANDER ; ALEXANDER NAYDICH ; ALLISON
JACK ; CRAIG

Agent(s):

PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING LAFLEUR HENDERSON
LLP; GOWLING WLG CANADA LLP; BRASNETT ADRIAN HUGH; WALTON SEAN MALCOLM; REINHOLD
COHN AND PARTNERS; FENWICK AND WEST LLP; MCCORMICK GRAHAM MONICA ET AL; SHUSTER
MICHAEL J ET AL; HUBL SUSAN T ET AL; HUBL SUSAN T

Designated states:

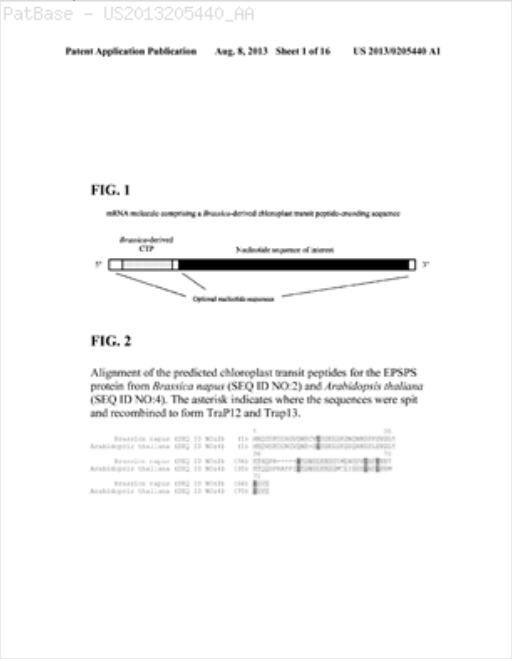
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Title: SYNTHETIC BRASSICA-DERIVED CHLOROPLAST TRANSIT PEPTIDES

Abstract: This disclosure concerns compositions and methods for targeting peptides, polypeptides, and proteins to plastids of plastid-**containing** cells. In some embodiments, the disclosure concerns chloroplast transit peptides that may direct a polypeptide to a plastid, and nucleic acid molecules encoding the same. In some embodiments, the disclosure concerns methods for producing a transgenic plant material (e.g., a transgenic plant) comprising a chloroplast transit peptide, as well as plant materials produced by such methods, and plant commodity products produced therefrom.

Classifications:

International (IPC 8-9): A01H A01H1/00 A01H1/02 A01H1/04 A01H4/00 A01H5/00 A01H5/02 A01H5/04 A01H5/10 A01H5/12 A01H6/00 A01M21/04 A01N25/00 A01N25/32 A01N57/04 A01N57/20 A01N63/00 A01P13/00 A81H5/00 C07H21/04 C07K C07K14/00 C07K14/195 C07K14/36 C07K14/405 C07K14/415 C07K19/00 C12N C12N15/09 C12N15/29 C12N15/31 C12N15/52 C12N15/53 C12N15/54 C12N15/62 C12N15/63 C12N15/82 C12N5/02 C12N5/04 C12N5/10 C12N5/14 C12N9/00 C12N9/02 C12N9/10 C12N9/96 (Advanced/Invention); A01H5/00 A01N51/00 A01N63/00 C07K14/00 C07K19/00 C12N15/29 C12N15/63 (Core/Invention); A01H C12N (Subclass/Invention)
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: DOW AGROSCIENCES LLC

Assignee(s): (std): ANDREW E ROBINSON ; CARLA N YERKES ; CICCHILLO ROBERT M ; DAU AGROSAJENSIZ ELELSI ; DOW AGROSCIENCES LLC ; LIRA JUSTIN M ; ROBINSON ANDREW E ; JUSTIN M LIRA ; ROBERT M CICCHILLO ; YERKES CARLA N ; SATISH K NAIR

Assignee(s): YERKES CARLA ; NAIR SATISH K ; DOW AGROSCIENCES LLC9330 ZIONSVILLE ROADINDIANAPOLISIN46268-1054US ; DOW AGROSCIENCES LLC9330 ZIONSVILLE ROADINDIANAPOLISIN46268US

Inventor(s): (std): ANDREW E ROBINSON ; CARLA N YERKES ; CARLA YERKES ; CHIKKILLO ROBERT M ; CICCHILLO ROB M ; JERKS KARLA ; JUSTIN M LIRA ; LIRA DZHASTIN M ; YERKES CARLA N ; YERKES CARLA ; ROBINSON ANDREW E ; NAIR SATISH K ; LIRA JUSTIN M ; CICCHILLO ROBERTO M ; CICCHILLO ROBERT M ; CICCHILLO ROBERT M ; CICCHILLO ROBERT ; CICCHELLO ROBERT M ; ROBERT CICCHILLO ; ROBERT M CICCHILLO ; ROBINSON ENDRYU E ; SATISH K NAIR

Inventor(s): YERKES CARLAUS ; ROBINSON ANDREW EUS ; LIRA JUSTIN MUS ; NAIR SATISH KUS ; CICCHILLO ROBERT MUS

Agent(s): FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; SMART AND BIGGAR; SARGENT AND KRAHN; LUZ CLEMENCIA DE PAEZ; F AND E PATENT; EITAN MEHULAL AND SADOT; OHMORI NORIO; KOBAYASHI HIROSHI; KATAYAMA EIJI; OOO YURIDICHESKAYA GORODISSKIY I PARTNERY FA; MAGLEBY CATAXINOS AND GREENWOOD; C PHILIP; CATAXINOS EDGAR R

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: PHYTASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: This invention relates to phytases, polynucleotides encoding them, uses of the polynucleotides and polypeptides of the invention, as well as the production and isolation of such polynucleotides and polypeptides. In particular, the invention provides polypeptides having phytase activity under high temperature conditions, and phytases that retain activity after exposure to high temperatures. The phytases of the invention can be thermotolerant and/or thermostable at low temperatures, in addition to higher temperatures. The phytases of the invention can be used in foodstuffs to improve the feeding value of phytate rich ingredients. The phytases of the invention can be formulated as foods or feeds or supplements for either to, e.g., aid in the digestion of phytate. The foods or feeds of the invention can be in the form of pellets, liquids, powders and the like. In one aspect, phytases of the invention are stable against thermal denaturation during pelleting; and this decreases the cost of the phytase product while maintaining in vivo efficacy and detection of activity in feed.

Classifications:

International (IPC 8-9): A01H5/00 A01H5/10 A01K67/027

A01N63/00 A21D13/00 A23C9/12 A23G4/00 A23J3/14 A23J3/16 A23K1/16 A23K1/165 A23K1/18 A23L1/00 A23L1/10 A23L1/164 A23L1/18 A23L1/20 A23L1/29 A23L1/30 A23L1/305 A23L2/38 A23L2/52 A61K38/46 A61K48/00 A61K9/00 A61K9/20 A61P19/10 A61P43/00 C07H21/00 C07H21/02 C07H21/04 C07K16/00 C07K16/40 C07K17/00 C07K19/00 C11B3/00 C11B3/02 C11C1/00 C11C3/00 C12N1/15 C12N1/19 C12N1/21 C12N11/00 C12N11/08 C12N11/14 C12N11/16 C12N15/00 C12N15/09 C12N15/10 C12N15/11 C12N15/55 C12N15/63 C12N15/74 C12N15/82 C12N5/00 C12N5/02 C12N5/04 C12N5/10 C12N9/16 C12N9/96 C12P1/00 C12P21/00 C12P21/06 C12P3/00 C12P7/02 C12P7/06 C12P7/10 C12P7/18 C12P7/22 C12P7/64 C12Q1/42 C12Q1/44 C12Q1/68 C12R1/01 C12R1/07 C12R1/185 C12R1/38 C12R1/42 C12R1/44 C12R1/465 C12S3/00 G01N33/573 G06F19/00

G06F19/22 (Advanced/Invention);

C12P21/08 C12R1/01 C12R1/07 C12R1/185 C12R1/38 C12R1/42 C12R1/44 C12R1/465 (Advanced/Non-invention);

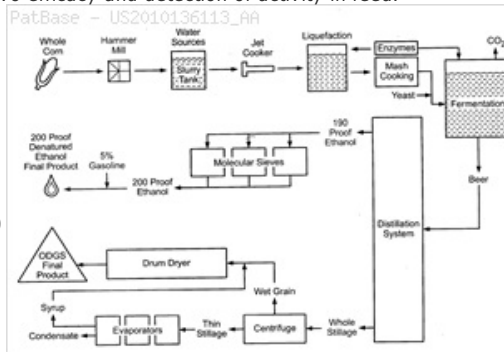
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International (IPC 1-7): A01H5/00

CPC: C12Y301/03008 C12Y301/03026 C12Y301/03072 Y02E50/16 A23V2002/00 C12N9/16 C12P7/10 Y02E50/17 A23K20/189 A23L33/18

European: C12N9/16

US: 424/484 424/484P 424/94.6 424/94.600S 426/28 426/61 426/63 426/63S 435/155 435/155S 435/156 435/161 435/165 435/174 435/174S 435/176 435/176S 435/180 435/180S 435/196 435/196S 435/252.3 435/252.300S 435/252.31 435/252.310S 435/252.33 435/252.330S 435/252.34 435/252.340S 435/252.35 435/252.350S 435/254.11 435/254.110S 435/254.2 435/254.200S 435/267 435/267S 435/271 435/271S 435/320.1 435/320.100S 435/325 435/325S 435/348 435/348S 435/419 435/419S 435/455 435/455S 435/468 435/468S 435/471 435/471S 435/69.1 435/69.100S 530/387.3 530/387.300S 530/388.26 530/388.260S 530/389.1 530/389.100S 536/22.1 536/22.100S 536/23.2 536/23.200S 800/14 800/14S 800/15 800/15S 800/16 800/16S 800/17 800/17S 800/18 800/18S 800/298 800/298S



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Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: BASF SE

Assignee(s): (std): ALVARADO ALBERTO ; BASF ENZYMES LLC ; FREY GERHARD ; EL FARRAH FATIMA ; KLINE KATIE ; SOLBAK ARNE ; STEER BRIAN ; DYCAICO MARK ; KLINE KATIE A ; TODARO THOMAS ; BASF SE ; TODARO TOM ; VERENIUM CORP ; TREFZER AXEL ; TODARO TOMAS

Assignee(s): VERENIUM CORP SAN DIEGO ; COMERICA BANK A TEXAS BANKING ASSOCIATION ; BASF ENZYMES LLC SAN DIEGO ; ATHYRIUM OPPORTUNITIES FUND A LP ; BASF ENZYME S LLC

Inventor(s): (std): ARNE SOLBAK ; AXEL TREFZER ; BRIAN STEER ; DYCAICO MARK ; ALBERTO ALVARADO ; ALVARADO ALBERTO ; EL FARRAH FATIMA ; GERHARD FREY ; KATIE KLINE ; KLINE KATIE ; FREY GERHARD ; MARK DYCAICO ; SOLBAK ARNE ; STEER BRIAN ; TODARO TOM ; TOM TODARO ; TREFZER AXEL ; TODARO TOMAS ; TODARO THOMAS ; KLINE KATIE A ; ALVAREDO ALBERTO ; SOLBAK ARNE I

Inventor(s): ARNE I SOLBAK ; FATIMA EL FARRAH ; EL FARRAH FATIMA CARDIFF ; TODARO TOM SAN DIEGO ; STEER BRIAN SAN DIEGO ; SOLBAK ARNE SAN DIEGO ; FREY GERHARD SAN DIEGO ; KLINE KATIE SAN DIEGO ; EL FARRAH FATIMA SAN DIEGO ; ALVARADO ALBERTO SAN DIEGO ; DYCAICO MARK SAN DIEGO

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; ROBIC; KUHNEN AND WACKER PATENT U RECHTSANWALTSBUERO; WAKERLEY HELEN RACHAEL ET AL; WAKERLEY HELEN RACHAEL; UNGRIA JAVIER; ISERN JORGE; VERENIUM INTELLECTUAL PROPERTY DEPARTMENT CORP; VERENIUM CORP; BRIAN W; EINHORN GREGORY P 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
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TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHODS OF AFFECTING NITROGEN ASSIMILATION IN PLANTS

Abstract: Provided herein are compositions and methods for producing transgenic plants. In specific embodiments, transgenic plants comprise a construct comprising a polynucleotide encoding CCA1, GLK1 or bZIP1, operably linked to a plant-specific promoter, wherein the CCA1, GLK1 or bZIP1 is ectopically overexpressed in the transgenic plants, and wherein the promoter is optionally a constitutive or inducible promoter. In other embodiments, transgenic plants in which express a lower level of CCA1, GLK1 or bZIP1 are provided. Also provided herein are commercial products (e.g., pulp, paper, paper products, or lumber) derived from the transgenic plants (e.g., transgenic trees) produced using the methods provided herein.

Classifications:

International (IPC 8-9): A01H1/00 A01H5/00 A01H5/08 A01H5/10 A21D13/00 A23L1/10 A23L1/168 A23L1/182 A23L1/212 A24B1/00 A24B13/00 A24F47/00 C07K14/415 C10L1/00 C11B1/00 C12N15/00 C12N15/09 C12N15/29 C12N15/82 C12N5/10 D21C3/00 D21H27/00 (Advanced/Invention);

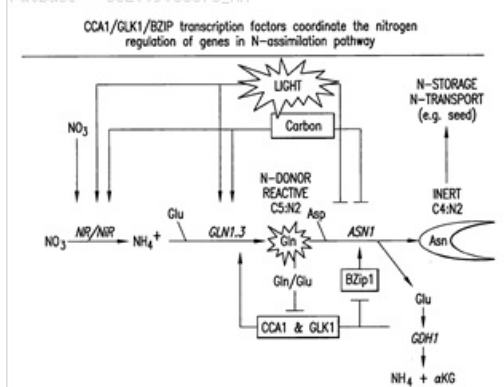
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European: C07K14/415 C12N15/82C4B C12N15/82C8

US: 1/1 131/347 131/347S 131/352 131/352S 131/360 131/360S 162/100 162/100S 426/543 426/549 426/549S 426/615 426/615S 426/618 426/618S 426/619 426/619S 426/622 426/622S 426/627 426/627S 44/307 44/307S 554/1 554/1S 554/9 554/9S 800/276 800/276P 800/278 800/278P 800/278S 800/295 800/295S 800/298 800/298S 800/305 800/305P 800/306 800/306S 800/312 800/312S 800/314 800/314S 800/316 800/316S 800/317 800/317.1 800/317.100S 800/317.3 800/317.300S 800/317S 800/318 800/318S 800/319 800/319S 800/320 800/320.1 800/320.100S 800/320S 800/323 800/323S

PatBase - US2009083876_HH

**Family:**

Publication number	Publication date	Application number	Application date
CA2681661 AA	20090922	CA20082681661	20080324
CA2681661 C	20151124	CA20082681661	20080324
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Priority:

US20070919818P 20070323 US20080079001 20080324 WO2008US03813 20080324
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Probable Assignee: NEW YORK UNIV

Assignee(s): (std): NERO DAMION C ; CORUZZI GLORIA ; GUTIERREZ RODRIGO A ; UNIV NEW YORK

Assignee(s): NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT ; NEW YORK UNIV ; NEW YORK UNIV70 WASHINGTON SQUARE SOUTHNEW YORKNY10012US ; NEW YORK UNIVERSITY

Inventor(s): (std): CORUZZI GLORIA ; GUTIERREZ RODRIGO A ; NERO DAMION C

Inventor(s): NERO DAMION CUS ; GUTIERREZ RODRIGO ACL ; CORUZZI GLORIAUS

Agent(s): OSLER HOSKIN AND HARCOURT LLP; JONES DAY; POISSANT BRIAN 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 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: BACTERIA ENGINEERED TO TREAT DISEASES ASSOCIATED WITH HYPERAMMONEMIA

Abstract: Genetically engineered bacteria, pharmaceutical compositions thereof, and methods of modulating and treating disorders associated with hyperammonemia are disclosed.

Classifications:

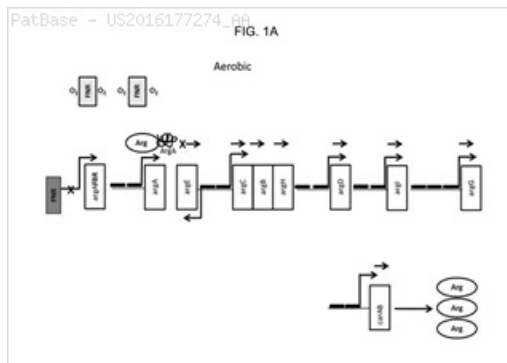
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CPC: C12N9/1029 C12Y203/01001 C12N15/635 C12N9/0022 C12Y104/03002 C12Y403/01024 A61K35/745 A61K35/747 C12N9/0014 A61K2035/11 C12N15/746 A23L33/135 A61K9/0031 C07K14/195 C12N9/001 C12N9/1217 C12Y103/08001 C12Y207/02007 C07K2319/55 A61K31/19 A61K38/2066 A61K38/2013 A61K38/20 A61K38/26 A61K38/446 A61K31/198 C12Y115/01001 A61K31/404 A61K38/00 C12R1/19 C12N9/1025 C12R1/01 A61K38/19 A61K38/204 G01N33/573 G01N33/6863 C07K14/00 C12N9/78 C12N9/80 C12Y305/01024 C12P7/62 C12P13/10 A61K9/0053 A61K38/44 A61K38/443 A61K9/0019 C12Y104/01009 C12N9/0016 C12N9/1096 C12N9/0006 C12Y101/01 C12Y401/01 C12Y101/01086 C12Y401/01001 C12Y206/01042 C12Y101/01001 C07K14/245 A61K35/742 C12N15/52 C12N15/74 C12N9/0004 C12N9/10 C12N9/88 A61K35/744 C12N9/1252 C12Y207/07007 C12P7/52 C12N9/1051 C12N9/485 C12P7/40 C07K14/605 A61K2035/115 C07K16/241 C07K14/5428 A61K36/064 A61K31/122 A61K39/3955 C12N15/70 C07K14/54 C07K2319/02 C07K2319/036 A23K10/18 C12N15/63 C07K2319/01 C12N9/00 A61K39/02 C12N9/0008 C12N9/0026 C12N9/1007 C12N9/93 Y02A50/473 A61K48/00 Y02A50/401 Y02A50/414 C12N1/20 A61K35/741 A61K35/74 C12N9/0073 C12N9/13 C07K14/34 C12N9/90

US: 424/93.2 435/252.3 435/252.33

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Probable Assignee: SYNLOGIC INC

Assignee(s): (std): FALB DEAN ; FISHER ADAM ; ISABELLA VINCENT M ; KOTULA JONATHAN W ; MASSACHUSETTS INST TECHNOLOGY ; ISABILLE VINCENT M ; MASSACHUSETTS INST OF TECH ; SYNLOGIC INC ; MILLER PAUL F ; MILLET YVES ; ROWE SARAH ; TUCKER ALEX ; SYNLOGIC OPERATING CO INC

Assignee(s): NAVY SECRETARY OF UNITED STATES OF AMERICA ; SELVAGGIO GIANLUCA ; RUBENS JACOB ROSENBLUM ; MUELLER ISAAK ELIS ; MILLER PAUL ; MACHINANI SUMAN ; LU TIMOTHY KUAN TA ; KOTULA JONATHAN ; MASSACHUSETTS INST OF TECHNOLOGY ; ISABELLA VINCENT

Inventor(s): (std): ANDERSON CAMI LEIGH ; DEAN FALB ; FALB DEAN ; ISABELLA VINCENT ; FISHER ADAM ; FISHER ADAM B ; ISABELLA VINCENT M ; KOTULA JONATHAN W ; KOTULA JONATHAN ; LI NING ; ISABILLE VINCENT M ; LORA JOSE M ; JONATHAN W KOTULA ; ISABELLE VINCENT M ; MILLER PAUL F ; MACHINANI SUMAN ; MILLER PAUL ; TUCKER ALEX ; MILLET YVES ; ROWE SARAH ; LU TIMOTHY KUAN TA ; RUBENS JACOB ROSENBLUM ; SELVAGGIO GIANLUCA ; MUELLER ISAAK ELIS ; ROWE SARAH ELIZABETH ; SAHA SAURABH ; VINCENT M ISABELLA ; PAUL F MILLER ; VINCENT M ISABILLE

Agent(s): ALLENS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; CULLENS PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; SMART AND BIGGAR; BORDEN LADNER GERVAIS LLP; MAIN MALCOLM CHARLES; HOFFMANN EITLE; MURGITROYD AND CO; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP; MARCIE B; MCCARTER AND ENGLISH LLP; ELIZABETH A; MCDONELL LESLIE ET AL; DIPIETRANTONIO HEATHER J; MCDONELL LESLIE A ET AL; HANLEY ELIZABETH A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE 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 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: CELL/TISSUE CULTURING DEVICE AND METHOD

Abstract: A disposable device and method for axenically culturing and harvesting cells and/or tissue in consecutive cycles. The device consist of a sterilizable transparent and/or translucent disposable **container** which may be at least partially filled with a suitable sterile biological cell and/or tissue culture medium and/or axenic inoculant and/or sterile air and/or required other sterile additives. The **container** has means for removing excess air and/or waste gases therefrom, and means for introducing the inoculant and/or culture medium and/or additives therein. The device also has at least one air inlet, and preferably a plurality thereof, for introducing sterile air into the device. The device is characterised by having a reusable harvesting means comprising suitable flow control means for enabling harvesting of at least a portion of the medium **containing** cells and/or tissue when desired, thereby enabling the device to be used continuously for at least one subsequent consecutive culturing/harvesting cycle. The portion of medium **containing** cells and/or tissue remaining from a previously harvested cycle may serve as inoculant for a next culture and harvest cycle, culture medium and/or additives being provided. The device may thus be used continuously in consecutive cycles, and may be disposed of when it becomes contaminated. In a second aspect of the invention, a battery of these devices, suitably interconnected, enables the scale of production of cells/tissues to be adjusted when required.

FDA Data:

Application number	Active ingredient	Proprietary name	Applicant	Date of approval
022458	TALIGLUCERASE ALFA	ELELYSO	PFIZER	May 1, 2012

Classifications:

International (IPC 8-9): A01H A01H1/00 A01H11/00 A01N63/00 A01N65/00 A23K1/00 A61K A61K35/00 A61K35/12 A61K35/74 A61K36/00 A61K36/23 A61K38/00 A61K38/44 A61K38/46 A61K38/47 A61K48/00 A61K9/00 A61P1/16 A61P11/00 A61P13/12 A61P19/00 A61P19/08 A61P25/02 A61P3/00 A61P31/22 A61P43/00 A61P7/00 A61P7/02 A61P7/04 A61P7/06 A61P9/00 C07H C07H21/00 C07H21/02 C07H21/04 C07K14/00 C07K14/415 C07K14/47 C07K19/00 C12M1/00 C12M1/04 C12M1/12 C12M1/26 C12M3/00 C12M3/02 C12N C12N1/12 C12N1/20 C12N1/21 C12N15/00 C12N15/09 C12N15/12 C12N15/52 C12N15/55 C12N15/56 C12N15/62 C12N15/63 C12N15/74 C12N15/82 C12N5/00 C12N5/04 C12N5/08 C12N5/10 C12N9/00 C12N9/02 C12N9/14 C12N9/16 C12N9/24 C12N9/36 C12N9/40 C12N9/42 C12P C12P21/00 C12P21/02 C12P21/04 C12P21/06 C12R1/01 G01N33/483 (Advanced/Invention); A61K38/46 C12M1/04 C12M3/00 C12N15/00 C12N15/09 C12N15/12 C12N5/00 C12R1/01 (Advanced/Non-invention); A01H1/00 A01H11/00 A01N65/00 A61K38/43 A61K48/00 A61P1/00 A61P11/00 A61P13/00 A61P19/00 A61P3/00 A61P43/00 A61P7/00 A61P9/00 C07H21/00 C07K14/00 C07K14/435 C07K19/00 C12M1/00 C12N1/12 C12N1/20 C12N1/21 C12N15/00 C12N15/09 C12N15/12 C12N15/52 C12N15/56 C12N15/62 C12N15/63 C12N15/74 C12N15/82 C12N5/00 C12N5/04 C12N5/08 C12N5/10 C12N9/00 C12N9/02 C12N9/14 C12N9/24 C12N9/36 C12N9/40 C12P21/00 C12P21/02 C12P21/06 G01N33/483 (Core/Invention); A01H C07H C07K C12M C12N C12P G01N (Subclass/Invention)

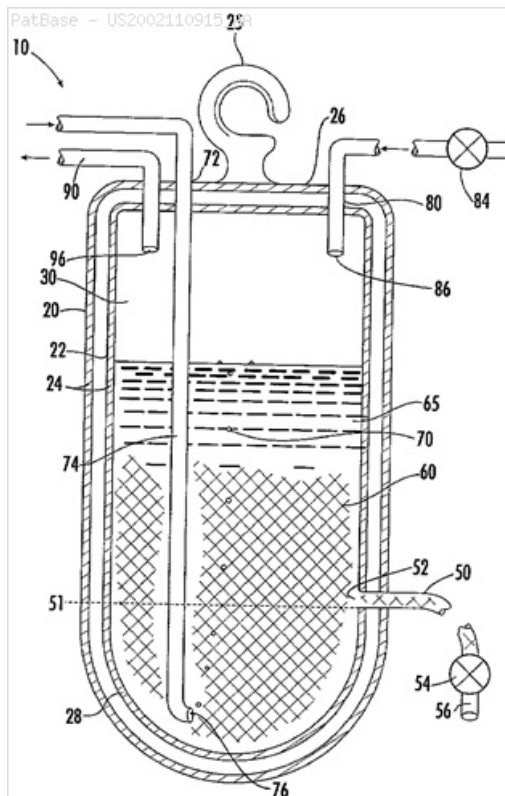
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Priority:

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Probable Assignee: PROTALIX LTD

Assignee(s): (std): AYALA LEWKOWICZ ; AYALA LEWKOWITS ; BARTFELD DANIEL ; BAUM GIDEON ; DANIEL BARTFELD ; GIDEON BAUM ; HASHMUELI SHARON ; METS OGAL LTD ; METABOGAL LTD ; SHAALTIEL YOSEPH ; PROTALIX LTD ; LEWKOWICZ AYALA ; YOSEPH SHAALTIEL ; SHARON HASHMUELI ; PROTALIX ; PROTALIKS LTD

Assignee(s): PROTALIX LTD CARMIEL ; METABOGAL LTD KIRYAT SHEMONA ; WILMINGTON SAVINGS FUND SOCIETY FSB

Inventor(s): (std): AYALA LEWKOWICZ ; AYALA SHAALTIEL YOSEPH BAUM GI ; BARTFELD DANIEL ; BAUM GIDEON ; DANIEL BARTFELD ; GIDEON BAUM ; HASHMUELI SHARON ; LEWKOWICZ AYALA ; SHAALTIEL YOSEPH ; SHARON HASHMUELI ; YOSEPH SHAALTIEL ; SHAALTIELYSEPH ; SHAALTIEL JOZEF ; LEVKOVICH AJJALA ; KHASHMUELI SHARON ; HASHMUELISHARON ; BARTFELD DEHNIEL

Inventor(s): AYALA LEWKOWITS ; SHAALTIEL YOSEPH BAUM GIDEON BARTFELD DANIEL HASHMUELI SHARON LEWKOWICZ AYALA ; SHAALTIEL YOSEPH BAUM GIDEON BARTFELD DANIEL ; SHAALTIEL YOSEPH BAUM GIDEON BARTFELD DANIEL HASHM

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; GOUDREAU GAGE DUBUC; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; VOSSIUS AND PARTNER; FICHTER ROBERT ARNO; WACHENFELD JOACHIM; VALLEJO JUAN PEDRO; GE EHRlich 1995 LTD; SPRUSON AND FERGUSON ASIA PTE LTD; MARTIN MOYNIHAN, PRTSI INC; MARTIN MOYNIHAN PRTSI INC; MARTIN D MOYNIHAN PRTSI INC; MARTIN D MOYNIHAN D B A PRTSI INC; GE EHRlich 1995 LTD 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: COMBINATIONS OF ANTIBODIES SELECTIVE FOR A TUMOR NECROSIS FACTOR-RELATED APOPTOSIS-INDUCING LIGAND RECEPTOR AND OTHER THERAPEUTIC AGENTS

Abstract: An antibody of the invention interacts with human DR5 or with human DR4 to produce agonistic or antagonistic effects downstream of the receptor including inhibition of cell proliferation and apoptosis. Methods and uses for the antibodies, optionally in combination with various therapeutic agents, are detailed, including treatment of apoptosis-related disease and treatment of dysregulated cell growth.

Classifications:

International (IPC 8-9): A01N43/04 A61K31/00 A61K31/196 A61K31/282 A61K31/337 A61K31/404 A61K31/51 A61K31/519 A61K31/704 A61K35/12 A61K38/00 A61K38/19 A61K38/21 A61K39/00 A61K39/395 A61K41/00 A61K45/00 A61K45/06 A61P1/00 A61P1/04 A61P11/06 A61P13/12 A61P15/00 A61P17/00 A61P17/06 A61P19/02 A61P21/04 A61P25/00 A61P25/28 A61P29/00 A61P3/10 A61P31/00 A61P31/04 A61P31/12 A61P31/18 A61P33/06 A61P35/00 A61P37/00 A61P37/02 A61P37/04 A61P37/06 A61P37/08 A61P43/00 A61P5/14 A61P5/18 A61P5/44 A61P7/02 A61P7/04 A61P7/06 A61P9/00 A61P9/10 C07D305/14 C07H21/02 C07H21/04 C07H21/08 C07K1/00 C07K16/00 C07K16/18 C07K16/24 C07K16/26 C07K16/28 C07K16/30 C07K16/46 C12N1/00 C12N1/15 C12N1/19 C12N1/21 C12N13/00 C12N15/00 C12N15/02 C12N15/09 C12N15/12 C12N15/13 C12N15/63 C12N5/00 C12N5/02 C12N5/071 C12N5/09 C12N5/10 C12P21/06 C12P21/08 C12Q1/02 G01N33/68 (Advanced/Invention); A61K38/21 A61K39/00 A61K39/395 C07K14/70 C07K14/705 C07K16/28 (Advanced/Non-invention); A61K31/185 A61K31/337 A61K31/403 A61K31/51 A61K31/519 A61K31/7028 A61K35/12 A61K38/00 A61K39/395 A61K41/00 A61K45/00 A61P1/00 A61P11/00 A61P13/00 A61P15/00 A61P17/00 A61P19/00 A61P21/00 A61P25/00 A61P29/00 A61P3/00 A61P31/00 A61P33/00 A61P35/00 A61P37/00 A61P43/00 A61P5/00 A61P7/00 A61P9/00 C07K1/00 C07K16/00 C07K16/18 C12N1/15 C12N1/19 C12N1/21 C12N13/00 C12N15/09 C12N15/12 C12N15/13 C12N15/63 C12N5/02 C12N5/10 C12P21/08 (Core/Invention); C07K14/43 C07K16/00 (Core/Non-invention); A01N A61K C07H C07K C12N C12P (Subclass/Invention); C07K (Subclass/Non-invention)

International (IPC 1-7): A01N043/04 A01N43/04 A61K0/00 A61K039/395 A61K31/00 A61K31/337 A61K31/404 A61K31/4745 A61K31/519 A61K31/522 A61K31/525 A61K31/56 A61K31/704 A61K31/7048 A61K31/7072 A61K35/12 A61K38/00 A61K38/14 A61K38/16 A61K38/21 A61K39/00 A61K39/395 A61K41/00 A61K45/00 A61K45/06 A61K48/00 A61K49/16 A61N5/00 A61P1/00 A61P1/04 A61P11/06 A61P13/12 A61P15/00 A61P17/00 A61P17/06 A61P19/02 A61P21/04 A61P25/00 A61P25/28 A61P29/00 A61P3/10 A61P31/04 A61P31/12 A61P33/06 A61P35/00 A61P37/00 A61P37/02 A61P37/06 A61P37/08 A61P43/00 A61P5/14 A61P5/18 A61P5/44 A61P7/02 A61P7/04 A61P7/06 A61P9/00 A61P9/10 C07D305/14 C07H21/02 C07H21/04 C07H21/08 C07K0/00 C07K0/0000 C07K016/00 C07K1/00 C07K14/525 C07K16/00 C07K16/18 C07K16/24 C07K16/26 C07K16/28 C07K16/30 C07K16/42 C07K16/46 C07K19/00 C12N0/00 C12N015/00 C12N1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/02 C12N15/09 C12N15/12 C12N15/13 C12N15/63 C12N5/00 C12N5/06 C12N5/10 C12N5/12 C12P21/06 C12P21/08 G01N33/574

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European: A61K31/337 A61K31/519 A61K39/395 A61K39/395C1 A61K41/00 A61K45/06 C07K16/28R K61K39/505 M07K207/00 M07K209/00 M07K317/240 M07K317/730 M07K319/00 M07K319/30

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Publication number	Publication date	Application number	Application date
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FIG - 1A

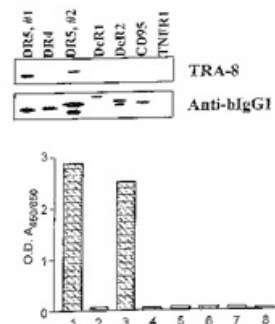
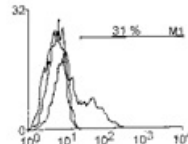


FIG - 1C



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Probable Assignee: UAB RESEARCH FOUNDATION

Assignee(s): (std): ICHIKAWA KIMIHISA ; ICHIKAWA KIMISHISA ; LOBUGLIO ALBERT F ; OSHUMI JUN ; OHSUMI JUN ; KIMBERLY ROBERT P ; KOOPMAN WILLIAM J ; JU EHJ BI RISERCH FAUNDEJSHN ; UAB RESEARCH FOUNDATION ; ZHOU TONG ; UAB RES FOUNDATION ; BUCHSBAUM DONALD J ; UAB RES FOUND

Assignee(s): ALBERT F LOBUGLIO ; DONALD J BUCHSBAUM ; UAB RESEARCH FOUNDATIONAB1120G, 1530 3RD AVENUE SOUTHBIRMINGHAMAL35294-0111US ; US 701 SOUTH 20TH STREET SUITE 1120G BIRMINGHAM ALABAMA 35294 ; UAB RESEARCH FOUNDATION BIRMINGHAM ; WILLIAM J KOOPMAN ; THE UAB RESEARCH FOUNDATION ; KIMIHISA ICHIKAWA ; ROBERT P KIMBERLY ; JUN OSHUMI ; TONG ZHOU

Inventor(s): (std): ALBERT F LOBUGLIO ; BUCHSBAUM DONALD ; BUCHSBAUM DONALD J ; BUSCHBAUM DONALD J ; CHZHOU TUN ; DONALD J BUCHSBAUM ; ICHIKAWA K ; BUCHSBAUM J DONALD ; BUKHSBAUM DONALD DZH ; ICHIKAWA KIMIHISA ; ITIKAVA KIMIKHISA ; JUN OSHUMI ; K ICHIKAWA ; KIMBERLEY ROBERT P ; KIMBERLI ROBERT P ; KIMIHISA ICHIKAWA ; KOOPMAN J WILLIAM ; KOOPMAN WILLIAM ; KOOPMAN WILLIAM J ; KIMBERLY P ROBERT ; KIMBERLY R P ; KIMBERLY ROBERT ; KIMBERLY ROBERT P ; ICHIKAWA KIMISHISA ; KUPMAN UILL JAM DZH ; LOBUGLIO ALBERT F ; LOBUGLIO ALBERT ; LOBUGLIO ALBERT F ; LOBUGLIO F ALBERT ; OHSUMI JUN ; OSHUMI JUN ; OSUMI DZHUN ; ROBERT P KIMBERLY ; RP KIMBERLY ; T ZHOU ; TONG ZHOU ; WILLIAM J KOOPMAN ; WILLIAMJ KOOPMAN ; ZHOU T ; ZHOU TONG ; KUPMAN UILL JAM DZH ; ZOU TONG

Inventor(s): KUPMAN UILL'JAM DZH. ; ZHOU TONG BIRMINGHAM ; ZHOU TONGUS ; R P KIMBERLY ; LOBUGLIO ALBERT F BIRMINGHAM ; LOBUGLIO AL'BERT F. ; KUPMAN UILL'JAM DZH. ; KIMBERLY ROBERT P BIRMINGHAM ; KIMBERLY ROBERT PUS ; KOOPMAN WILLIAM J ALEXANDER CITY ; KOOPMAN WILLIAM J INDIAN SPRINGS ; KOOPMAN WILLIAM JUS ; ICHIKAWA KIMIHISAJP ; BUKHSBAUM DONAL'D DZH. ; ICHIKAWA KIKIHISA ; BUCHSBAUM DONALD J MONTEVALLO

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; GOWLING LAFLEUR HENDERSON LLP; HOEFER AND PARTNER PATENTANWAELTE MBB; LEISSLER GERSTL GABRIELE ET AL; LEISSLER GERSTL GABRIELE; JMB DAVIS BEN DAVID; FISH AND RICHARDSON PC; MCKEON MEUNIER CARLIN AND CURFMAN LLC; MCKEON MEUNIER CARLIN CURFMAN; MCKEON MEUNIER CARLIN AND CURFMAN; KILPATRICK TOWNSEND AND STOCKTON 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 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 VC VN YU ZA ZM ZW

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Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s): (std): GEORGETOWN UNIV MEDICAL CT ; GEORGETOWN UNIVERSITY MEDICAL CENTER ; HUMAN GENOME SCIENCES INC ; UNIV GEORGETOWN MED CENTER ; NI JIAN ; ROSEN CRAIG A ; LI LU YUAN ; ZHAI YIFAN ; LIPPMAN MARC E ; YU GUO LIANG ; ZHANG JUN

Assignee(s): GEORGETOWN UNIV MEDICAL CENTER ; HUMAN GENOME SCIENCES INC14200 SHADY GROVE ROADROCKVILLEMD20850US ; ROSEN CRAIG

Inventor(s): (std): CRAIG A ROSEN ; GUO LIANG YU ; GUOLIANG LI LUYUAN ZHAI YIFAN ; LI LUYUAN ; LUYUAN LI ; YIFAN ZHAI ; YU GUOLIANG ; ZHANG JUN ; ZHAI YIFAN ; YU GUO LIANG ; ROSEN YU GUOLIANG NI JIAN CRAI

; ROSEN GRAIG A ; NI JIAN ; MARC E LIPPMAN ; LU YUAN LI ; LIPPMAN MARC E ; LIPPMAN MARC ;
LIANG YU GUO ; LI LUYUAN ZHAI YIFAN YU GUOLIANG ; LI LU YUAN ; JUN ZHANG ; JIAN NI ;
GUOLIANG YU ; GRAIG A ROSEN ; WEI PING ; ROSEN CRAIG A ; ROSEN CRAIG

Inventor(s): NI JIANUS ; ROSEN CRAIGUS ; ROSEN CRAIGA ; ROSEN CRAIG AUS ; YU GUOLIANG NI JIAN CRAIG A
ROSEN ; YU GUO LIANGUS ; ZHANG JUNUS

Agent(s): WRAYS; WRAYS PTY LTD; BLAKE DAWSON; ASHURST AUSTRALIA; MBM INTELLECTUAL PROPERTY LAW
LLP; AITKEN KLEE LLP; VOSSIUS AND PARTNER; HUMAN GENOME SCIENCES INC INTELLECTUAL
PROPERTY DEPT; FOLEY AND LARDNER 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 CO CR CU CY CZ DE DK
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Priority:

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Probable Assignee: VERENIUM CORP

Assignee(s): (std): DIVERSA CORP ; KRETZ KEITH A ; GRAY KEVIN A ; GARRETT JAMES B ; O DONOGHUE EILEEN ; MATHUR ERIC J ; KRETZ KEITH ; MATHER ERIC J ; BARTON NELSON R ; BARTON NELSON ROBERT ; BAUM WILLIAM ; SHORT JAY M ; ROBERTSON DAN E ; ZORNER PAUL ; VERENIUM CORP

Assignee(s): SHORT JAY ; COMERICA BANK A TEXAS BANKING ASSOCIATION ; BASF ENZYMES LLC ; ROBERTSON DAN ; ATHYRIUM OPPORTUNITIES FUND A LP

Inventor(s): (std): BARTON NELSON R ; BAUM WILLIAM ; DAN ROBERTSON ; ERIC J MATHUR ; GARRETT JAMES ; GARRETT JAMES B ; GRAY KEVIN ; GRAY KEVIN A ; JAMES B GARRETT ; JAY M SHORT ; JM SHORT ; KEVIN A GRAY ; KRETZ K A ; KRETZ KEITH ; MATHER ERIC J ; KA KRETZ ; KEITH A KRETZ ; O DONOGHUE EILEEN ; O DONOGHUE EILLEN ; ZORNER PAUL ; BARTON NELSON ; SHORT JAY ; MATHUR ERIC J ; KRETZ KEITH A ; BARTON NELSON ROBERT ; ROBERT BARTON NELSON ; KEITH KRETZ ; EILEEN O DONOGHUE ; ROBERTSON DAN ; ROBERTSON DAN E ; SHORT J M ; SHORT JAY M

Inventor(s): SHORT JAY MILTON ; WILLIAM BAUM ; O'DONOGHUE EILEEN ; PAUL ZORNER ; KERTZ KEITH ; MATHUR ERIC ; NELSON R BARTON ; NELSON ROBERT BARTON ; K A KRETZ ; GRAY KEVIN ANTHONY ; J M SHORT ; GARRETT JAMES BRIAN ; GRAY A KEVIN ; EILLEN O DONOGHUE ; DAN E ROBERTSON

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; MBM INTELLECTUAL PROPERTY LAW LLP; WAKERLEY HELEN RACHAEL; DIVERSA C O MOFO SD; VERENIUM C O MOFO SD; GREGORY P EINHORN MORRISON AND FOERSTER LLP; VERENIUM INTELLECTUAL PROPERTY DEPARTMENT CORP; MORRISON AND FOERSTER LLP; MORRISON FOERSTER LLP; LYNN M

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: INHALANT FORMULATION **CONTAINING** SULFOALKYL ETHER CYCLODEXTRIN AND CORTICOSTEROID PREPARED FROM A UNIT DOSE SUSPENSION

Abstract: An inhalable unit dose liquid formulation **containing** SAE-CD and corticosteroid is provided. The formulation is adapted for administration to a subject by nebulization with any known nebulizer. The formulation can be included in a kit. The formulation is administered as an aqueous solution or concentrated composition. The formulation is employed in an improved nebulization system for administering corticosteroid by inhalation. SAE-CD present in the formulation significantly enhances the chemical stability of corticosteroid, such as budesonide. A method of administering the formulation by inhalation is provided. The formulation can also be administered by conventional nasal delivery apparatus. The formulation is prepared by mixing SAE-CD, in solid or liquid (dissolved) form, with an inhalable suspension-based unit dose formulation.

Classifications:

International (IPC 8-9): A01N43/04 A61F9/00 A61K A61K31/00 A61K31/137 A61K31/138 A61K31/16 A61K31/167 A61K31/335 A61K31/4174 A61K31/4545 A61K31/46 A61K31/47 A61K31/4745 A61K31/48 A61K31/495 A61K31/506 A61K31/522 A61K31/55 A61K31/56 A61K31/565 A61K31/57 A61K31/573 A61K31/58 A61K31/59 A61K31/7052 A61K31/7105 A61K31/715 A61K31/724 A61K38/20 A61K39/395 A61K45/00 A61K45/06 A61K47/10 A61K47/32 A61K47/34 A61K47/40 A61K47/48 A61K47/68 A61K47/69 A61K9/00 A61K9/08 A61K9/10 A61K9/12 A61K9/14 A61K9/72 A61L9/04 A61M11/00 A61M16/14 A61M37/00 A61P11/00 A61P11/02 A61P11/06 A61P27/02 A61P27/14 A61P27/16 A61P29/00 A61P37/08 A61P43/00 B82Y5/00 C08B37/16 C08L5/16 (Advanced/Invention); A61K31/573 A61K9/08 A61K9/72 A61P11/00 C08B37/16 C08L5/16 (Advanced/Non-invention); A01N43/02 A61F9/00 A61K31/00 A61K31/137 A61K31/138 A61K31/16 A61K31/167 A61K31/46 A61K31/47 A61K31/4738 A61K31/48 A61K31/519 A61K31/56 A61K31/565 A61K31/57 A61K31/58 A61K31/7105 A61K31/715 A61K31/716 A61K38/20 A61K39/395 A61K45/00 A61K47/10 A61K47/34 A61K47/40 A61K47/48 A61K9/00 A61K9/08 A61K9/10 A61K9/12 A61K9/14 A61K9/72 A61L9/04 A61M37/00 A61P11/00 A61P29/00 A61P43/00 C08B37/00 (Core/Invention); A61K C08B (Subclass/Invention)

International (IPC 1-7): A61K31/16 A61K31/57 A61K31/71 A61K31/715 A61K9/00 A61K9/12 A61K9/14 C08B37/16

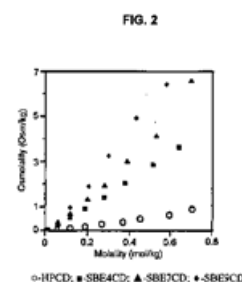
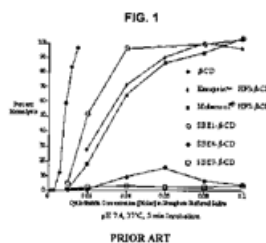
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PatBase - US2007020196_AA

Patent Application Publication: Jan. 25, 2007 Sheet 1 of 13 US 2007/0020196 A1

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Priority:

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US20170817056	20171117				

Probable Assignee: CYDEX PHARMACEUTICALS INC

Assignee(s): (std): CYDEX INC ; CYDEX PHARMACEUTICALS INC ; MOSHER GEROLD L ; PIPKIN JAMES D ; ZIMMERER RUPERT O ; THOMPSON DIANE O ; SIEBERT JOHN M ; SAJDEKS INK

Assignee(s): CYDEX PHARMACEUTICALS INC ; CYDEX INC ET AL

Inventor(s): (std): DIANE O THOMPSON ; GEROLD L MOSHER ; JAMES D PIPKIN ; JOHN M SIEBERT ; MOSHER DZHEROL D L ; MOSHER GEROLD L ; PIPKIN DZHEJMS D ; RUPERT O ZIMMERER ; SIEBERT JOHN M ; PIPKIN JAMES D ; PIPKIN JAMES D ZIMMERER RUPERT ; THOMPSON DIANE O ; TOMPSON DAJAN O ; TSIMMERER RUPERT O ; ZIMMERER PUPERT O ; ZIMMERER RUPERT O ; ZIMMERER RUPET O

Inventor(s): ZIMMERER RUPERT ; PIPKIN JAMES D ZIMMERER RUPERT O THOMPSON DIANE O M ; THOMPSON DIANE ; PIPKIN JAMES ; MOSHER DZHEROL'D L. ; MOSHER GEROLD

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; GOUDREAU GAGE DUBUC; MBM INTELLECTUAL PROPERTY LAW LLP; HARRIS JENNIFER LUCY; WEBER THOMAS; DOERRIES HANS ULRICH; VALLEJO JUAN PEDRO; REINHOLD COHN AND PARTNERS; ONO SHINJIRO; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; NAKAHAMA AKIKO; YAMAMOTO OSAMU; TAKEUCHI SHIGEO; NAKANISHI MOTOHARU; MIYAMAE TORU; INNOVAR LLC; SWANSON AND BRATSCHEUN LLC; STERNE KESSLER GOLDSTEIN AND FOX PLLC; KNOBBE MARTENS OLSON AND BEAR LLP; MATOS RICK

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: FOOD PRODUCTS HAVING ENHANCED COCOA POLYPHENOL CONTENT AND PROCESSES FOR PRODUCING THE SAME

Abstract: The invention provides food products, including confectioneries and chocolates, having conserved concentrations of polyphenols, and in particular cocoa polyphenols. The method of this invention avoids the significant and detrimental losses of polyphenols that occur during conventional manufacture by controlling the handling of ingredients in batching processing to provide a product having a significant amount of the cocoa polyphenol concentration present in the raw materials conserved in the finished product. Additionally, the production steps of milling/refining and conching may also be controlled and modified to provide the confectioneries of the present invention having conserved concentrations of cocoa polyphenols relative to the concentration of the polyphenols present in the starting ingredients. The cocoa polyphenol ingredient may be a cocoa ingredient, an extract of a cocoa ingredient (beans, liquor, or powder, etc.) or may be a synthesized derivative thereof, or may be a synthesized polyphenol compound or mixture of polyphenol compounds or derivative thereof.

Classifications:

International (IPC 8-9): A21D13/08 A21D2/36 A23B4/03 A23F3/34 A23F5/00 A23G1/00 A23G1/02 A23G1/04 A23G1/06 A23G1/30 A23G1/32 A23G1/36 A23G1/44 A23G1/46 A23G1/48 A23G1/56 A23G3/00 A23G3/34 A23G3/44 A23G3/48 A23G3/54 A23G4/14 A23K1/14 A23K1/16 A23K1/18 A23K20/121 A23L1/00 A23L1/03 A23L1/164 A23L1/18 A23L1/182 A23L1/187 A23L1/212 A23L1/22 A23L1/30 A23L1/304 A23L2/38 A23L2/52 A23L3/349 A23L3/3544 A23L33/105 A23P1/00 A61K31/352 A61K31/353 A61K31/765 A61K35/78 A61K36/00 A61K36/18 A61K36/185 A61K36/87 A61K47/06 A61P1/02 A61P29/00 A61P3/08 A61P31/04 A61P31/12 A61P35/00 A61P37/04 A61P39/06 A61P43/00 A61P7/00 A61P9/08 A61P9/10 A61P9/12 C11B1/04 C11B1/06 C11B1/10 (Advanced/Invention); A23G1/02 A23G1/30 A23L2/38 A23L2/52 A23L3/349 A23L3/3544 A61K36/00 A61K36/18 A61K47/06 A61P29/00 A61P35/00 A61P43/00 A61P7/00 (Advanced/Non-invention); A21D13/00 A21D2/00 A23G1/00 A23G1/02 A23G1/04 A23G1/30 A23G3/00 A23G3/34 A23K1/18 A23L1/164 A23L1/182 A23L1/187 A23L1/212 A23L1/22 A23L1/30 A61K36/185 C11B1/00 (Core/Invention)

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US 2001/007693 A1

FIG. 1a



FIG. 1b



FIG. 1c



FIG. 1d



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Priority:

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US20070926951	20071029	US20070926994	20071029
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Probable Assignee: MARS INC

Assignee(s): (std): BUCK MARGARET M ; CIPOLLA GIOVANNI G ; GEVER HANS M ; GEYER HANS M ; KEALEY KIRK S ; MARS INC ; MYERS MARY E ; SCHMITZ HAROLD H ; ROMANCZYK LEO J JR ; HAMMERSTONE JOHN F JR ; NWOSU CHIGOZIE V ; ROMANCZYK JR LEO J ; HAMMERSTONE JR JOHN F ; SNYDER RODNEY M ; WHITACRE ERIC J

Assignee(s): MARS INCORP ; MARS INKORPOREJTED ; ROMANCZYK LEO J ; M AND M MARS ; HAMMERSTONE JOHN F

Inventor(s): (std): WITHACRE ERIC J ; WHITACRE ERIC J ; WHITACRE E J ; VAJTAKR EHRIC DZH ; UAJTAKR EHRIC DZH ; SNYDER RODNEY M ; SNYDER R M ; SHMITTS GAROL D KH ; SCHMITZ HAROLD H ; ROMANCZYK L J ; ROMANCZYR LEO J JR ; ROMANCZYK LEO J JR ; ROMANCZYK LEO J ; ROMANCZYK L J ; ROMANCZYK JR LEO J ; ROMANCZYK LEO ; ROMANCHUK LEO DZH ML ; SNAJDER RODNI M ; NWOSU CHIGOZIE V ;

Title: 27411, a novel human PGP synthase

Abstract: The present invention relates to a newly identified human PGP synthase. The invention also relates to polynucleotides encoding the PGP synthase. The invention further relates to methods using the PGP synthase polypeptides and polynucleotides as a target for diagnosis and treatment in PGP synthase-mediated or -related disorders. The invention further relates to drug-screening methods using the PGP synthase polypeptides and polynucleotides to identify agonists and antagonists for diagnosis and treatment. The invention further encompasses agonists and antagonists based on the PGP synthase polypeptides and polynucleotides. The invention further relates to procedures for producing the PGP synthase polypeptides and polynucleotides.

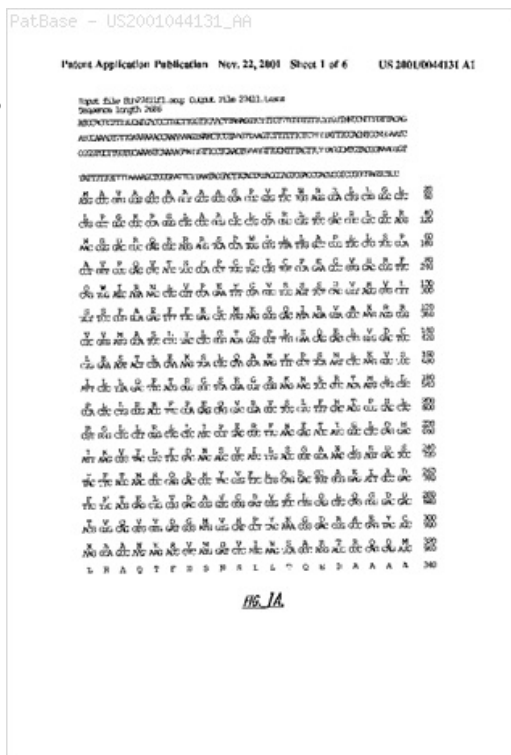
Classifications:

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A61K38/00 A61K38/02 A61K38/16 A61K38/17 A61K38/43
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G01N33/566 (Core/Invention);
A01K38/00 A61K48/00 (Core/Non-invention)

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US20110071809	20110325				

Probable Assignee: MILLENNIUM PHARMACEUTICALS INC

Assignee(s): (std): BAYER HEALTHCARE AG ; BINGHAM BRENDAN WILLIAM ; CHIANG LILLIAN WEI MING ; FREDERICK LO CHING HSIUNG ; KAPPELLER LIBERMANN ROSANA ; GLUCKSMANN MARIA ALEXANDRA ; MILLENIUM PHARMACEUTICALS INC ; MEYERS RACHEL A ; MILLENNIUM PHARM INC ; HUNTER JOHN JOSEPH ; JENKINS LORAYNE P ; MEYERS RACHEL E ; MILLENNIUM PHARMACEUTICALS INC ; MILLENNIUM PHARMACEUTICAL INC ; WILLIAMSON MARK ; RUDOLPH OWEN LAURA A ; TSAI FONG YING ; NAURECKIENE SAULE ; OZENBERGER BRADLEY ALTON ; WOOD ANDREW

Assignee(s): WYETH ; MILLIENNIUM PHARMACEUTICALS INC

Inventor(s): (std): BINGHAM BRENDAN WILLIAM ; CHIANG LILLIAN W ; CHIANG LILLIAN WEI MING ; FREDERICK LO

CHING HSIUNG ; GLUCKSMANN MARIA A ; GLUCKSMANN MARIA ALEXANDRA ; HUNTER JOHN J ;
HUNTER JOHN JOSEPH ; JENKINS LORAYNE P ; KAPELLER LIBERMANN ROSANA ; KAPELLER LIBERMANN
ROSANNA ; LILLIAN WEI MING CHIANG ; MEYERS RACHEL E ; NAURECKIENE SAULE ; OZENBERGER
BRADLEY ALTON ; RUDOLPH OWEN LAURA A ; SHIUE LILY ; TSAI FONG YING ; WILLIAMSON MARK ;
WILLIAMSON MARK J ; WOOD ANDREW ; MEYERS A ; MEYERS RACHEL A

Inventor(s):

MEYERS RACHEL ; ROSANA KAPELLER LIBERMANN ; RACHEL A MEYERS ; RUDOLPH OWEN LAURA ;
MARIA ALEXANDRA GLUCKSMANN ; MARK WILLIAMSON ; LAURA A RUDOLPH OWEN ; JOHN JOSEPH
HUNTER ; HUNTER JOHN ; GLUCKSMANN MARIA ; FONG YING TSAI ; CHIANG LILLIAN

Agent(s):

TORYS LLP; SMART AND BIGGAR; MILLENNIUM PHARMACEUTICALS INC

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 VC VN YU ZA ZM ZW

FIG. 1

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Probable Assignee: MEDIMMUNE LLC

Assignee(s): (std): GARCIA SASTRE ADOLFO ; JIN HONG ; CLARKE DAVID K ; CLARKE DAVID KIRKWOOD ; AVIRON INC ; MEDIMMUNE VACCINES INC ; PALESE PETER ; MEDIMMUNE VACCINES INC ; MOUNT SINAI SCHOOL OF MED CITY ; MEDIMMUNE LLC ; MEDIMMUNE VACCINS ; MEDIMMUNE VACCINES ; MAUNT SINAI SKUL OF MEDISIN OF ; PALESE PETER M ; SINAI SCHOOL MEDICINE ; RSITI OF N JU JORK

Assignee(s): PARVIN JEFFREY D ; TANG RODERICK ; MEDIMMUNE INC ; MOUNT SINAI SCHOOL OF MEDICINE OF CITY UNIV OF NEW ; MOUNT SINAI SCHOOL OF MEDICINE OF CITY UNIV OF NE ; MOUNT SINAI SCHOOL OF MEDICINE OF CITY UNIV OF NEW YORK ; MOUNT SINAI SCHOOL OF MEDICINE OF UNIV OF NEW YORK ; MOUNT SINAI SCHOOL OF MEDICINE OF CITY UNIV OF NEW YORK A CORP OF NY ; MOUNT SINAI SCHOOL OF MED CITY UNIVEROF NY ; MEDIMMUNE VACCINS INC ; MOUNT SINAI SCHOOL OF MED CITY UNIVER OF N Y ; MOUNT SINAI SCHOOL OF MEDICINE OF CITY UNIV ; AVIRON INC BURLINGAME CALIF US ; DZE MAUNT SINAI SKUL OF MEDISIN OF DZE SITI JUNIVERSITI OF N JU JORK ; LI SHENGQIANG ; KRYSTAL MARK ; BRYANT MARTIN ;

MOUNT SINAI SCHOOL OF MEDICINE OF CITY UNI ; BRYANT MARTY ; DZE MAUNT SINAJ SKUL OF
MEDISIN OF DZE SITI JUNIVE ; AVIRON ; AVIRON (A CALIFORNIA CORPORATION) ; AVIRON A
CALIFORNIA CORP ; AVIRON A CALIFORNIA CORPORATION

Inventor(s): (std): BRYANT MARTIN ; BRYANT MARTY ; CLARKE DAVID KIRKWOOD ; CLARKE DAVID K ; DZHEFFRI D
PARVIN ; JEFFREY D PARVIN ; JIN HONG ; LI SHENGQIANG ; PARVIN JEFFREY D ; PALESE PETER ;
PARVIN JEFFREY ; PALESE PETER M ; PARVIN D JEFFREY ; PETER PALESE ; MARK KRYSTAL ; TANG
RODERICK ; PITER PEJLIZ ; MARK KRISTAL ; KRYSTAL MARK ; GARCIA SASTRE ADOLFO

Inventor(s): KRYSTAL MARK LEONIA NJ 07605 US ; MARTIN BRYANT ; NOT GIVEN ; RODERICK TANG ; MARTY
BRYANT ; SHENGQIANG LI ; PALESE PETER LEONIA NJ 07605 US ; HONG JIN ; DZHEFFRI D.PARVIN ;
CLARKE DAVID

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OSLER HOSKIN AND HARCOURT LLP; LINDEROTH MARGARETA ET
AL; LUNDQUIST TOMAS; QUINE INTELLECTUAL PROPERTY LAW GROUP PC; JONES DAY; MEDIMMUNE
LLC JONATHAN KLEIN EVANS; MEDIMMUNE LLC PATRICK SCOTT ALBAN; LITTLEPAGE PAUL; KLEIN
EVANS JONATHAN; PAUL; JONATHAN; MEDIMMUNE VACCINES INC

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 SU SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: Short forms of chemokine beta-8

Abstract: Novel polypeptides of the truncated form of human Ckbeta-8 are provided. Methods for using the polypeptides are also provided.

Classifications:

International (IPC 8-9): A01N37/18 A61K31/00 A61K31/70 A61K35/74 A61K35/76 A61K38/00 A61K38/16 A61K38/19 A61K39/395 A61K41/00 A61K45/00 A61K45/06 A61K48/00 A61P1/00 A61P11/06 A61P11/10 A61P13/12 A61P17/00 A61P17/02 A61P17/06 A61P19/02 A61P29/00 A61P31/00 A61P35/00 A61P35/02 A61P37/00 A61P37/02 A61P37/08 A61P39/00 A61P43/00 A61P7/00 A61P7/06 A61P9/10 C07H21/04 C07K1/113 C07K1/36 C07K14/00 C07K14/47 C07K14/50 C07K14/52 C07K16/18 C07K16/24 C07K16/28 C12N1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/11 C12N15/12 C12N15/19 C12N15/63 C12N15/70 C12N15/72 C12N5/00 C12N5/06 C12N5/08 C12N5/10 C12N5/12 C12P21/02 C12Q1/00 C12Q1/02 C12Q1/68 F25B1/00 F25B39/00 F28D1/053 F28F9/02 F28F9/18 F28F9/22 G01N33/15 G01N33/50 G01N33/53 (Advanced/Invention); A01N37/18 A01N63/00 A61K31/00 A61K31/70 A61K38/00 A61K38/16 A61K38/19 A61K45/00 A61K48/00 A61P17/00 A61P29/00 A61P31/00 A61P35/00 A61P37/00 A61P39/00 A61P43/00 A61P7/00 C07K14/00 C07K14/52 C07K16/18 C07K16/24 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N15/19 C12N5/10 C12P21/02 C12Q1/02 C12Q1/68 C12R1/19 C12R1/91 F25B1/00 F25B39/00 F28F9/02 F28F9/22 G01N33/15 G01N33/50 (Advanced/Non-invention); A01N37/18 A61K31/00 A61K31/70 A61K35/66 A61K38/00 A61K38/19 A61K41/00 A61K45/00 A61K48/00 A61P1/00 A61P11/00 A61P13/00 A61P17/00 A61P19/00 A61P29/00 A61P31/00 A61P35/00 A61P37/00 A61P39/00 A61P43/00 A61P7/00 A61P9/00 C07H21/00 C07K1/00 C07K14/00 C07K14/435 C07K16/18 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N15/19 C12N15/72 C12N5/08 C12N5/10 C12P21/02 C12Q1/02 C12Q1/68 F25B1/00 F25B39/00 F28D1/04 F28F9/02 F28F9/04 F28F9/22 G01N33/15 G01N33/50 (Core/Invention); A61K38/00 A61K48/00 (Core/Non-invention)

International (IPC 1-7): A01N37/18 A01N63/00 A61K A61K31/00 A61K31/70 A61K35/74 A61K35/76 A61K38/00 A61K38/16 A61K38/17 A61K38/19 A61P17/06 A61P31/00 A61P35/00 A61P37/02 C07K14/00 C07K14/435 C07K14/52 C07K16/24 C12N1/21 C12N15/11 C12N15/12 C12N15/19 C12N15/63 C12N5/10 C12Q1/02 C12Q1/68

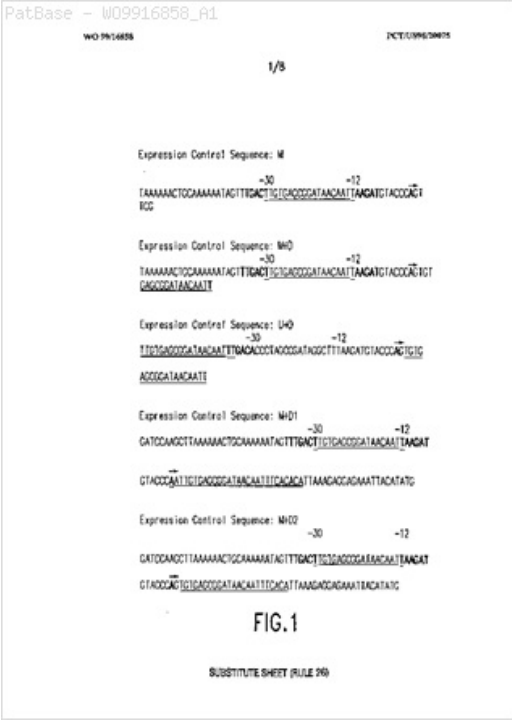
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European: A61K38/19 A61K41/00P C07K1/113 C07K1/36 C07K14/50 C07K14/52A C07K14/52A2 C07K16/24 C12N15/72 G01N33/68D K61K121/00 K61K38/00 K61K48/00 M07K203/00 M07K203/02 M07K205/00 M07K207/00 M07K213/00 M07K213/02 M07K215/00 M07K319/00 M12N799/02A66 S01N333/52

US: 424/133.1 424/133.100S 424/135.1 424/135.100P 424/139.1 424/139.100S 424/145.1 424/145.100P 424/85.1 424/85.100P 424/85.100S 424/85.2 424/85.2 424/85.1 424/85.2 424/885 424/885 424/93.2 424/93.21 424/932 43/56.95 43/56.97 43/57.11 43/57.12 435/1.49 435/14.9 435/149 435/172.3 435/240.1 435/240.2 435/243 435/252.3 435/254.11 435/320.1 435/320.100S 435/325 435/325S 435/326 435/334 435/334S 435/365.1 435/372 435/372S 435/4 435/410 435/455 435/455P 435/471 435/4S 435/6 435/6.16 435/6.160S 435/69.1 435/69.100P 435/69.5 435/69.500P 435/69.500S 435/69.7 435/691 435/695 435/697 435/6S 435/7.1 435/7.100S 435/7.21 435/7.210S 435/71 435/71.1 435/71.2 435/711 435/712 51/4.2 51/4.8 51/41.2 514/1.1 514/1.100S 514/12 514/12.2 514/19.3 514/19.300S 514/19.6 514/19.600S 514/2 514/21.2 514/21.3 514/21.300S 514/44.00R 514/44R 514/7.9 514/7.900S 514/53 53/62.35 530/300 530/324 530/324S 530/325 530/326 530/327 530/328 530/329 530/350 530/350S 530/351 530/351S 530/387.1 530/387.3 530/387.300S 530/387.9 530/387.900S 530/388.1 530/388.23 530/388.230S 530/389.1 530/412 530/414 530/416 530/417 530/419 530/420 536/22.1 536/221 536/23.1 536/23.100S 536/23.5 536/23.500S 536/231 536/24.1 536/24.3 536/24.31 536/241 536/243 930/140 935/11 935/22 935/57 935/66 935/72

Family:

Publication number	Publication date	Application number	Application date
AT262914 E	20040415	AT19940925671T	19940628
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Probable Assignee: HUMAN GENOME SCIENCES INC

Assignee(s): (std): GENTZ REINER L ; HUMAN GENOME SCIENCES INC ; HUMAN GENOME SCIENCES ; GRZEGORZEWSKI KRZYSZTOF J ; HUMAN GENOME SCI INC ; LI HAODONG ; KREIDER BRENT L ; MENDRICK DONNA ; JIMENEZ PABLO ; ANTONACCIO MICHAEL ; APPELBAUM EDWARD ; COLEMAN TIMOTHY A ; DONNELL KEVIN O ; FORNWALD JAMES ALLAN ; WHITE JOHN ; SMITHKLINE BEECHAM CORP ; RUBEN STEVEN M ; ROSEN CRAIG A ; PATEL VIKRAM ; SHANNESY DANIEL O ; SMITH KLINE BEECHAM CORP ; SMITHKLINE BEECHAN CORP ; ZHANG JUN ; SMITHLIN BEECHAM

Assignee(s): ADAMS MARK D ; SMITHKLINE BEECHAM PHILADELPHIA PENNSYLVANIA CORP ; OELKUCT MARK ; O SHANNESY DANIEL ; O DONNELL KEVIN ; FOR GENOMIC RESEARCH INST ; LI YULING

Inventor(s): (std): ADAMS MARK D ; ANTONACCIO MICHAEL ; APEIBARM E ; APPELBAUM EDWARD ; APPLBAUM E ; B L KREIDER ; BRENT KREIDER ; BRENT L KREIDER ; C A ROSEN ; CA ROSEN ; COLEMAN TIMOTHY A ; CRAIG A ROSEN ; CRAIG ROSEN ; D O SHANNESY ; DANIEL O SHANNESY ; DONNA MENDRICK ; E APEIBARM ; E APPLBAUM ; EDWARD APPELBAUM ; FORNWALD JAMES A ; FORNWALD JAMES ALLAN ; GENTZ R L ; GENTZ REINDER L ; LEE HO DONG ; LI HAODONG ; LI YULING ; LUBEN S M ; MARK D ADAMS ; MENDRICK DONNA ; MENDRIK DONNA ; MICHAEL ANTONACCIO ; O DONNELL KEVIN ; O SHANNESY D ; O SHANNESY DANIEL ; OELKUCT MARK ; OSHANISY ; PABLO JIMENEZ ; PATEL V ; PATEL VIKRAM ; R L GENTZ ; REINER L GENTZ ; ROSEN A ; ROSEN C A ; ROSEN CRAIG ; ROSEN CRAIG A ; ROSEN CRAUG A ; RUBEN S M ; RUBEN STEVE ; RUBEN STEVEN ; RUBEN STEVEN M ; RUBIN S M ; GENTZ REINER L ; GRZEGORZEWSKI K J ; GRZEGORZEWSKI KRZYSZTOF J ; HAODONG LI ; HO DONG LEE ; HUIT J ; J HUIT ; J WHITE ; JAMES ALLAN FORNWALD ; JIMENEX PABLO ; JIMENEZ PABLO ; JOHN WHITE ; JUN ZHANG ; KEVIN O DONNELL ; KJ GRZEGORZEWSKI ; KREIDER B L ; KREIDER BRENT ; KREIDER BRENT L ; KRZYSZTOF J GORZEWSKI ; ADAMS D ; S M RUBEN ; SHANNESY DANIEL O ; SM LUBEN ; SM RUBEN ; SM RUBIN ; STEVE RUBEN ; STEVEN M RUBEN ; STEVEN RUBEN ; TIMOTHY A COLEMAN ; V PATEL ; VIKRAM PATEL ; WHITE J ; WHITE JOHN ; WHITE JOHN RICHARD ; ZHANG JUN

Inventor(s): S M RUBIN ; ADAMS MARK ; KRZYSZTOF J GRZEGORZEWSKI ; K J GRZEGORZEWSKI ; S M LUBEN ; GENTZ REINER ; CRAUG A ROSEN

Agent(s): WRAYS ; WRAYS PTY LTD ; MBM INTELLECTUAL PROPERTY LAW LLP ; MBM AND CO ; HUMAN GENOME SCIENCES INC ; HUMAN GENOME SCIENCES INC INTELLECTUAL PROPERTY DEPT

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: ALDOLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: This invention relates to polypeptides having aldolase activity, including pyruvate activity such as, without limitation, HMG and/or KHG aldolase activity, polynucleotides encoding these polypeptides, and methods of making and using these polynucleotides and polypeptides. In some embodiments, the invention is directed to polypeptides having aldolase activity, including pyruvate activity such as, without limitation, HMG and/or KHG aldolase activity, including thermostable and thermotolerant activity, and polynucleotides encoding these enzymes, and making and using these polynucleotides and polypeptides. The polypeptides in accordance with the invention can be used in a variety of pharmaceutical, agricultural and industrial contexts. In some embodiments, the invention provides polypeptides and biosynthetic pathways that are useful in the production of R-2-hydroxy 2-(indol-3-ylmethyl)-4-keto glutaric acid (R-MP) and certain stereoisomers of monatin, such as R,R and S,R monatin, and salts thereof, as well as certain stereoisomers of monatin derivatives, such as the R,R and S,R configurations, and salts thereof.

Classifications:

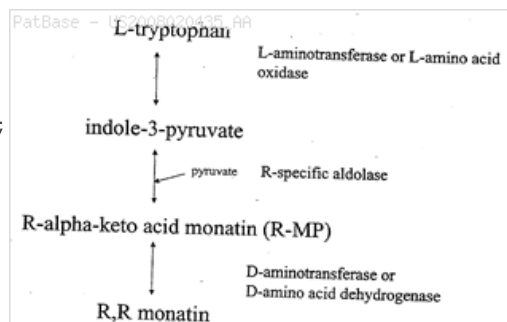
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International (IPC 1-7): C12P17/00

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European: A61N1/00 C12N9/88 C12P13/00C C12P17/10

US: 435/106 435/108 435/121 435/121P 435/193 435/252.3 435/320.1 435/69.1 435/91.1 536/23.1 536/23.2



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Priority:

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Probable Assignee: CARGILL INC

Assignee(s): (std): HICKS PAULA M ; LUGINBUHL PETER ; MCFARLAN SARA C ; GORT STEVEN JOHN ; RICHARDSON TOBY ; BURKE ELLEN ; CARGILL INC ; PAULA HICKS ; ZHAO LISHAN ; SOLHEID CHRISTOPHER ; WEINER DAVID ; SARA MCFARLAN ; STEVEN GORT

Assignee(s): TOBY RICHARDSON ; CARGILL INC WAYZATA ; CHRISTOPHER SOLHEID ; ELLEN BURKE ; DAVID WEINER ; PETER LUGINBUHL ; LISHAN ZHAO

Inventor(s): (std): CHRISTOPHER SOLHEID ; DAVID WEINER ; ELLEN BURKE ; JOHN GORT STEVEN ; LISHAN ZHAO ; PETER LUGINBUHL ; TOBY RICHARDSON ; WEINER DAVI ; ZHAO LISHAN ; WEINER DAVID P ; WEINER DAVID ; SOLHEID CHRISTOPHER ; RICHARDSON TOBY ; MCFARLAN SARA C ; MC FARLAN SARA C ; LUGINBUHL PETER ; HICKS PAULA M ; GORT STEVEN JOHN ; BURKE ELLEN ; GORT STEVEN J

Inventor(s): GORT STEVEN JOHN APPLE VALLEY ; HICKS PAULA ; BURKE ELLEN SAN DIEGO ; WEINER DAVID DEL MAR ; ZHAO LISHAN EMERYVILLE ; RICHARDSON TOBY SAN DIEGO ; SARA C MCFARLAN ; SOLHEID CHRISTOPHER MINNEAPOLIS ; STEVEN JOHN GORT ; LUGINBUHL PETER ; LUGINBUHL PETER SAN DIEGO ; MC FARLAN SARA C ST PAUL ; MCFARLAN SARA ; PAULA M HICKS ; GORT STEVEN ; DAVI WEINER

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SIM AND MCBURNEY; AIRD AND BERLIS IP PARTNERSHIP LTD; AIRD AND MCBURNEY LP; WIBBELMANN JOBST; ELSEVIERS MYRIAM; DE ELZABURU ALBERTO; TANAKA MITSUO; YAMAZAKI HIROSHI; STERNE KESSLER GOLDSTEIN AND FOX PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR 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: ALDOLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: This invention relates to polypeptides having aldolase activity, including pyruvate activity such as, without limitation, HMG and/or KHG aldolase activity, polynucleotides encoding these polypeptides, and methods of making and using these polynucleotides and polypeptides. In some embodiments, the invention is directed to polypeptides having aldolase activity, including pyruvate activity such as, without limitation, HMG and/or KHG aldolase activity, including thermostable and thermotolerant activity, and polynucleotides encoding these enzymes, and making and using these polynucleotides and polypeptides. The polypeptides in accordance with the invention can be used in a variety of pharmaceutical, agricultural and industrial contexts. In some embodiments, the invention provides polypeptides and biosynthetic pathways that are useful in the production of R-2-hydroxy 2-(indol-3-ylmethyl)-4-keto glutaric acid (R-MP) and certain stereoisomers of monatin, such as R,R and S,R monatin, and salts thereof, as well as certain stereoisomers of monatin derivatives, such as the R,R and S,R configurations, and salts thereof.

Classifications:

International (IPC 8-9): A01H1/00 A01H5/00 A01H5/10 A01K67/027 A01K67/033 A21D13/00 A21D2/26 A21D8/04 A23K1/00 A23K1/16 A23K1/165 A23K1/18 A23L1/00 A23L1/03 A23L1/30 A23L1/305 A23L2/00 A23L2/38 A23L2/66 A61K31/198 A61K31/7088 A61K38/00 A61K38/47 A61K38/51 A61K39/395 A61K48/00 A61K9/06 A61K9/08 A61K9/12 A61K9/14 A61K9/20 A61K9/48 A61P31/04 A61P35/00 A61P43/00 C07C205/01 C07H21/00 C07H21/04 C07K14/00 C07K16/00 C07K16/12 C07K16/40 C07K19/00 C07K7/08 C10L1/00 C10L1/234 C12C5/02 C12M1/00 C12N1/15 C12N1/19 C12N1/20 C12N1/21 C12N11/00 C12N15/00 C12N15/09 C12N15/11 C12N15/52 C12N15/54 C12N15/60 C12N15/61 C12N15/63 C12N15/74 C12N15/82 C12N15/85 C12N5/04 C12N5/07 C12N5/10 C12N9/10 C12N9/24 C12N9/88 C12N9/96 C12P1/00 C12P13/04 C12P13/14 C12P17/10 C12P21/00 C12P21/04 C12P21/06 C12P21/08 C12P7/04 C12P7/06 C12P7/10 C12P7/16 C12P7/50 C12P7/62 C12Q1/527 C12Q1/68 G01N33/573 G01N37/00 (Advanced/Invention); A01H1/00 A23L1/236 A61K38/00 (Advanced/Non-invention); A01H5/00 A01K67/00 A01K67/027 A21D13/00 A21D2/00 A23K1/00 A23K1/165 A23K1/18 A23L1/00 A23L1/305 A23L2/00 A61K38/43 A61P35/00 A61P43/00 C07C205/00 C07H21/00 C07K14/00 C07K16/00 C07K16/40 C07K7/00 C12C5/00 C12M1/00 C12N1/15 C12N1/19 C12N1/20 C12N1/21 C12N11/00 C12N15/00 C12N15/09 C12N15/11 C12N15/54 C12N15/60 C12N15/63 C12N15/74 C12N5/04 C12N5/07 C12N5/10 C12N9/10 C12N9/24 C12N9/88 C12N9/96 C12P1/00 C12P13/00 C12P21/00 C12P21/08 C12P7/02 C12Q1/527 G01N33/573 G01N37/00 (Core/Invention)

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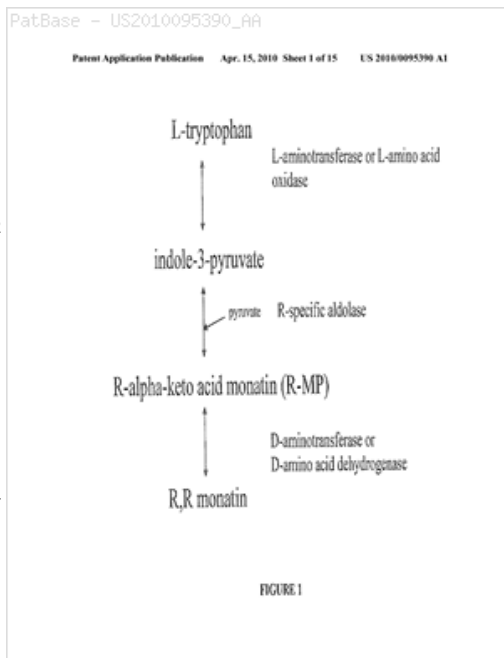
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Priority:

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AU20130251189	20131029	US20160009414	20160128	AU20160201456	20160304

Probable Assignee: VERENIUM CORP

Assignee(s): (std): LUGINBUHL PETER ; HICKS PAULA M ; VERENIUM CORP ; RICHARDSON TOBY ; WEINER DAVID P ; RICHARDSON TOBY H ; BASF ENZYMES LLC ; BURKE ELLEN ; ZHAO LISHAN

Assignee(s): ATHYRIUM OPPORTUNITIES FUND A LP ; CARGILL INC ; COMERICA BANK A TEXAS BANKING ASSOCIATION ; BASF ENZYMES LLC SAN DIEGO ; DIVERSA CORP ; VERENIUM CORP SAN DIEGO

Inventor(s): (std): ELLEN BURKE ; HICKS PAULA ; HICKS PAULA M ; LISHAN ZHAO ; LUGINBUHL PETER ; PETER LUGINBUHL ; RICHARDSON TOBY ; RICHARDSON TOBY H ; TOBY RICHARDSON ; WEINER DAVID ; WEINER DAVID P ; BURKE ELLEN ; ZHAO LISHAN

Inventor(s): ZHAO LISHAN CARLSBAD ; BURKE ELLEN SAN DIEGO ; DAVID P WEINER ; WEINER DAVID P DEL MAR ; RICHARDSON TOBY SAN DIEGO ; LUGINBUHL PETER SAN DIEGO ; PAULA M HICKS ; HICKS PAULA M BEND ; HICKS PAULA M EDEN PRARIE

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; ROBIC; BUEHLER DIRK; MAIWALD PATENTANWALTS GMBH; FUJITA TAKASHI; ISHII SADAJI; HIRAKI YUSUKE; VERENIUM INTELLECTUAL PROPERTY DEPARTMENT CORP; VERENIUM CORP; BRIAN W; RICHARDSON; BASF ENZYMES LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR 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: AMYLASES AND GLUCOAMYLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: In one aspect, the invention is directed to polypeptides having an amylase and/or glucoamylase activity, polynucleotides encoding the polypeptides, and methods for making and using these polynucleotides and polypeptides. In one aspect, the polypeptides of the invention can be used as amylases, for example, alpha amylases, to catalyze the hydrolysis of polysaccharide, oligosaccharide or starch into sugars. In one aspect, the invention provides delayed release compositions comprising an desired ingredient coated by a latex polymer coating. In alternative embodiments, enzymes are used to make biofuels, e.g., ethanol, butanol, propanol, or a gasoline-ethanol mix, including a bioethanol, biopropanol, biobutanol, or a biodiesel, or for any form of fuel or biomass processing.

Classifications:

International (IPC 8-9): A01H1/00 A01H5/00 A01K67/027 A21D2/00 A21D2/26 A21D8/04 A23C9/12 A23K1/165 A23K20/189 A23L1/09 A23L1/28 A23L1/305 A23L33/17 A61K38/47 A61K8/66 A61K9/28 A61K9/52 A61L2/16 A62D3/02 C07H21/00 C07H21/04 C07K1/00 C07K16/40 C07K19/00 C08J3/20 C08L3/02 C08L5/00 C08L89/00 C09K8/035 C10L1/00 C10L1/04 C10L1/14 C10L1/224 C11D3/386 C11D7/42 C12C11/00 C12G3/00 C12N1/00 C12N1/20 C12N11/00 C12N15/00 C12N15/11 C12N15/113 C12N15/56 C12N15/63 C12N15/82 C12N15/85 C12N15/86 C12N5/06 C12N5/10 C12N9/24 C12N9/26 C12N9/28 C12N9/32 C12N9/34 C12N9/96 C12P19/00 C12P19/04 C12P19/14 C12P19/34 C12P21/06 C12P21/08 C12P7/02 C12P7/04 C12P7/06 C12P7/10 C12P7/16 C12P7/64 C12Q1/34 C12Q1/40 C12Q1/68 C12Q1/6876 C12S3/00 C40B50/00 C40B50/06 D06M16/00 D21H25/02 E21B21/00 G01N33/53 G01N33/573 G06F19/00 G06F19/10 G06F19/22 (Advanced/Invention); A01H1/00 A01H5/00 A01K67/027 A21D2/00 A21D8/02 A23C9/12 A23K1/165 A23L1/09 A23L1/305 A61K38/43 A61K8/30 A61K9/28 A61K9/52 A61L2/16 A62D3/00 C07H21/00 C07K16/40 C07K19/00 C09K8/02 C10L1/00 C11D7/22 C12C11/00 C12G3/00 C12N1/00 C12N1/20 C12N11/00 C12N15/00 C12N15/11 C12N15/56 C12N15/63 C12N15/82 C12N15/86 C12N5/06 C12N9/24 C12N9/26 C12N9/96 C12P19/00 C12P21/06 C12P21/08 C12P7/02 C12P7/64 C12Q1/40 C12Q1/68 C12S3/00 C40B50/06 D06M16/00 D21H25/00 E21B21/00 G01N33/53 G01N33/573 G06F19/00 (Core/Invention)

CPC: C12N9/2414 C12N9/2425 C12N9/2428 Y02E50/16 Y02E50/17 C12N9/2408 C12N9/96

European: C12N9/24A2B1A C12N9/24A2B1B C12N9/24A2B1C Y02E50/13 Y02E50/16 Y02E50/17

US: 426/61 426/61S 435/101 435/101P 435/157 435/157S 435/160 435/160S 435/161 435/161S 435/188 435/201 435/201S 435/205 435/205S 435/252.3 435/320.1 435/320.100S 435/325 435/325S 435/69.1 435/91.1 44/307 44/307S 44/419 44/419S 506/23 506/23S 530/350 536/23.1 536/23.2 536/23.200S 536/24.3 536/24.300S 536/24.33 536/24.330S 800/278 800/284

PatBase - US2011039308_AA

Patent Application Publication Feb. 17, 2011 Sheet 1 of 36 US 2011/0039308 A1

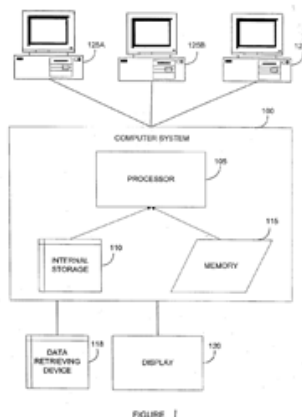


FIGURE 1

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US2013143295 AA	20130606	US20120674199	20121112
US8343747 BB	20130101	US20070520523	20071221
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Priority:

US20060877068P	20061221	US20070892823P	20070302	CA20072673525	20071221
EP20070869797	20071221	EP20120152656	20071221	EP20120152662	20071221
WO2007US88631	20071221	US20070520523	20071221	US20100520523	20100427
EP20120152662	20120126	US20120674199	20121112	CA20172673525	20171024

Probable Assignee: VERENIUM CORP

Assignee(s): (std): BURKE ELLEN ; BURKE ELLEN G ; CAYOUEETTE MICHELLE ; CHANG CATHY ; LUGINBUHL PETER ; SILVERSTONE ARON ; SLUPSKA MALGORZATA ; GHASSEMIAN MAJID ; GUNAVARDENA UVINI ; SYNGENTA PARTICIPATIONS AG ; HAZLEWOOD GEOFF ; SYNGENTA PARTICIPATION AG ; SILVERSTON ARON ; CAYOUEETTE MICHELLE H ; ZHANG YAN ; VERENIUM CORP ; VERENIUM CORP US ; BASF ENZYMES LLC

Assignee(s): BASF ENZYMES LLC SAN DIEGO ; ATHYRIUM OPPORTUNITIES FUND A LP ; COMERICA BANK A TEXAS BANKING ASSOCIATION

Inventor(s): (std): ARON SILVERSTONE ; BURKE ELLEN ; BURKE ELLEN G ; CATHY CHANG ; CAYOUEETTE MICHELLE ; CAYOUEETTE MICHELLE H ; ELLEN BURKE ; GEOFF HAZLEWOOD ; GHASSEMIAN MAJID ; CHANG CATHY ; GUNAVARDENA UVINI ; HAZLEWOOD GEOFF ; LUGINBUHL PETER ; LUGINBUHL PETHER ; MAJID GHASSEMIAN ; MALGORZATA SLUPSKA ; MICHELLE CAYOUEETTE ; PETER LUGINBUHL ; SILVERSTON ARON ; SILVERSTONE ARON ; SLUPSKA MALGORZATA ; UVINI GUNAVARDENA ; YAN ZHANG ; ZHANG YAN

Inventor(s): ZHANG YAN APEX ; SLUPSKA MALGORZATA SAN DIEGO ; SILVERSTONE ARON DURHAM ; PETHER LUGINBUHL ; LUGINBUHL PETER SAN DIEGO ; HAZLEWOOD GEOFF BERKSHIRE ; GUNAVARDENA UVINI SAN DIEGO ; CHANG CATHY SAN MARCOS ; GHASSEMIAN MAJID CARLSBAD ; CAYOUEETTE MICHELLE SAN DIEGO ; BURKE ELLEN SAN DIEGO

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY CALLINANS; FISHER ADAMS KELLY PTY LTD; SMART AND BIGGAR; ROBIC; MAIWALD GMBH PATENTANWAELTE; MAIWALD PATENTANWALTSGESELLSCHAFT MBH; HUENGES MARTIN; LASAR ANDREA GISELA; MAIWALD PATENTANWALTS GMBH; CARVAJAL Y ISABEL; VERENIUM INTELLECTUAL PROPERTY DEPARTMENT CORP; JUSTIN H; EINHORN GREGORY P 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: PROMOTERS EXHIBITING ENDOTHELIAL CELL SPECIFICITY AND METHODS OF USING SAME

Abstract: An isolated polynucleotide functional as a promoter in eukaryotic cells is disclosed. The isolated polynucleotide includes an endothelial specific enhancer element as detailed herein. Further disclosed is a method of expressing a nucleic acid sequence of interest in endothelial cells.

Classifications:

International (IPC 8-9): A01N43/04 A01N61/00 A61K A61K31/198 A61K31/573 A61K31/70 A61K31/7088 A61K31/711 A61K31/713 A61K35/12 A61K35/74 A61K35/76 A61K38/00 A61K38/17 A61K38/19 A61K38/45 A61K45/06 A61K47/20 A61K47/28 A61K48/00 A61K9/00 A61K9/14 A61K9/66 A61K9/70 A61N5/00 A61P1/00 A61P17/00 A61P17/02 A61P17/06 A61P19/02 A61P25/02 A61P27/02 A61P3/10 A61P31/00 A61P35/00 A61P35/04 A61P43/00 A61P7/00 A61P9/00 A61P9/10 A61P9/14 B65D90/00 C07H21/02 C07H21/04 C07K14/475 C07K14/515 C07K14/575 C12N C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/10 C12N15/11 C12N15/113 C12N15/12 C12N15/18 C12N15/28 C12N15/62 C12N15/63 C12N15/79 C12N15/85 C12N15/86 C12N15/861 C12N5/00 C12N5/02 C12N5/10 C12N5/16 C12N7/00 C12N7/01 C12N9/22 C12P21/00 C12Q1/68 (Advanced/Invention); A61K31/198 A61K31/573 A61K38/00 A61K48/00 C07H21/04 C12N15/00 C12N15/09 C12N15/11 C12N15/12 C12N15/86 C12N15/861 C12N5/10 (Advanced/Non-invention); A61K31/185 A61K31/57 A61K31/7088 A61K35/66 A61K38/00 A61K45/00 A61K47/20 A61K47/28 A61K48/00 A61P1/00 A61P17/00 A61P25/00 A61P27/00 A61P35/00 A61P43/00 A61P9/00 C12N1/15 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/11 C12N15/12 C12N15/63 C12N15/861 C12N5/10 C12N9/00 (Core/Invention); C12N15/09 (Core/Non-invention); A61K C07H C12N (Subclass/Invention); A61K C07H C12N (Subclass/Non-invention)

International (IPC 1-7): A61K31/195 A61K31/7088 A61K38/00 A61K45/06 A61K48/00 A61P17/00 A61P35/00 A61P43/00 A61P9/00 A61P9/10 C07H21/04 C07K14/475 C07K14/705 C12N C12N0/00 C12N15/00 C12N15/09 C12N15/11 C12N15/12 C12N15/18 C12N15/28 C12N15/62 C12N15/63 C12N15/79 C12N15/85 C12N15/86 C12N15/861 C12N5/06 C12N5/10 C12N5/16 C12N9/12 C12N9/22 C12P21/02 C12Q1/68
CPC: A61K38/1858 A01K2267/0331 A01K2267/0393 A61K38/1866 A61K48/0066 A61K38/00 C07K14/49 C07K14/503 C07K14/52 C07K14/70578 C07K2319/70 C12N2830/30 C12N2840/203 A61K38/191 A61K31/711 C12N15/85 A61K48/0058 C07K14/475 C07K14/515 C07K14/57536 C12N2830/001 C12N2830/002 C12N2830/42 C12N2840/445 A61K38/177 A61K38/1793 A61K48/0008 C12N2710/10343 C12N2800/108 C12N2830/008 C12N2830/15 C12N2830/85 C12N2840/20 A61K31/198 A61K31/573 A61K48/00 C12N15/86

European: A61K31/198 A61K31/573 A61K38/17C A61K38/18 A61K38/18G A61K48/00 A61K48/00B A61K48/00D2 A61K48/00D4 C07K14/475 C07K14/49 C07K14/50B C07K14/515 C07K14/52 C07K14/575G C07K14/705R C12N15/85 C12N15/86 K01K267/03C K01K267/03R K61K35/13 K61K38/00 K61K48/00 M07K205/02 M07K207/00 M07K319/70 M12N710/10343 M12N800/10E M12N830/00A M12N830/00A1 M12N830/00C M12N830/15 M12N830/30 M12N830/42 M12N830/85 M12N840/20 M12N840/20A M12N840/44A

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Family:

Publication number	Publication date	Application number	Application date
AT455562 E	20100215	AT20010996590T	20011115
AT481986 E	20101015	AT20020801473T	20020501
AT531392 E	20111115	AT20050168899T	20051114
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Patent Application Publication Jul. 3, 2003 Sheet 1 of 43 US 2003/0124100 A1

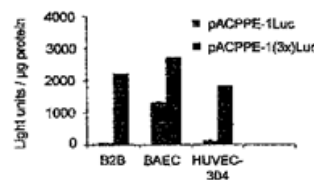


Fig. 1

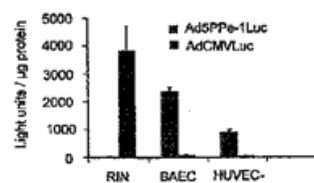


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Probable Assignee: VASCULAR BIOGENICS LTD

Assignee(s): (std): BANGIO LIVNAT ; BLOOM NIRA ; BREITBART EYAL ; GREENBERGER SHOSHANA ; HARATS DROR ; MEDICARD LTD ; LIVNAT BANGIO ; DROR HARATS ; EYAL BREITBART ; VASCULAR BIOGENICS LTD ; PELED MICHAEL ; VESSEL BIOLOG GROWTH CO LTD ; MICHAEL PELED ; SHOSHANA GREENBERGER

Assignee(s): VESSEL BIOLOGICAL GROWTH CO LTD ; VASCULAR BIOGENICS LTD6 JONATHAN NETANYAHU STREET60376OR YEHUDAIL ; ARISTA NETWORKS INC ; NIRA BLOOM ; VESSEL BIOLOGICAL GROWTH CO

Inventor(s): (std): BANGIO LIVNAT ; BLOOM NIRA ; BREIBART EYAL ; BREITBART EYAL ; DROR HARAS ; DROR HARATS ; EYAL BREITBART ; GREENBERGER SHOSHANA ; HARATS DROR ; LIVNAT BANGIO ; MICHAEL PELED ; NIRA BLOOM ; PELED MICHAEL ; SHOSHANA GREENBERGER ; GRRENBERGER SHOSHANA

Inventor(s): HARAS DROR ; HARATS DROR 52648 ; HARATS DROR 53765 ; HARATS DRORIL ; GREENBERGER SHOSHANAIL ; BREITBART EYALIL ; BLOOM NIRA 45309

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SMART AND BIGGAR; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; INTEGRAL IP; VOSSIUS AND PARTNER PATENTANWAELTE RECHTSANWAELTE MBB; MACHTALERE GEORGES; FICHTER ROBERT ARNO ET AL; FICHTER ROBERT ARNO; VOSSIUS AND PARTNER; DENNEMEYER AND ASSOCIATES S A; DE ELZABURU ALBERTO; GE EHRLICH 1995 LTD; ELLA CHEONG SPRUSON AND FERGUSON SINGAPORE PTE LTD; YUSARN AUDREY; MARTIN MOYNIHAN, C/O ANTHONY CASTORINA; MARTIN MOYNIHAN C O ANTHONY CASTORINA; MARTIN D MOYNIHAN PRISI INC; MARTIN D MOYNIHAN D B A PRISI INC; STERNE KESSLER GOLDSTEIN AND FOX P L L C; STERNE KESSLER GOLDSTEIN AND FOX PLLC; GE EHRLICH 1995 LTD ET AL

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Title: REFILLABLE MULTI-DOSE **CONTAINER** APPLICABLE TO A MACHINE FOR PREPARING BEVERAGES

Abstract: The invention relates to a refillable multi-dose **container** (1) for storing a flowable product comprising: -a tank (2) with a top opened extremity (3), -means (4) for closing the top opened extremity (3) of the tank (2), said means being openable by exercising contact pressure on them and closable by stopping contact pressure on them. The invention relates too to a machine comprising such a multi-dose **container**.

Classifications:

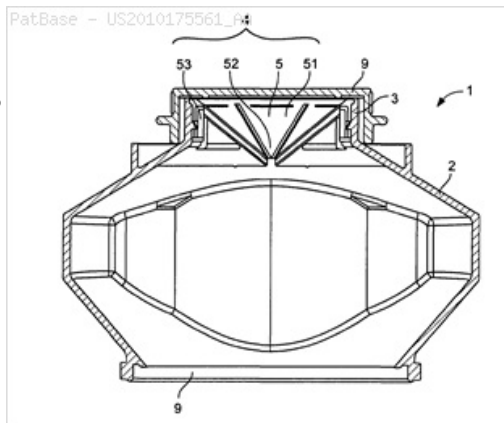
International (IPC 8-9): A47G19/14 A47J A47J31/00 A47J31/043 A47J31/40 A47J31/44 B23P19/04 B65D B65D25/08 B65D25/16 B65D25/42 B65D47/10 B65D49/12 B65D51/00 B65D51/16 B65D51/20 B65D6/00 B65D77/30 B65D83/00 B65D83/06 B65D88/26 B67D7/06 B67D7/74 G01F G01F11/00 G07F G07F11/44 G07F13/06 (Advanced/Invention); A23F5/10 A47G19/16 (Advanced/Non-invention); A47J31/00 A47J31/04 A47J31/40 A47J31/44 B23P19/04 B65D25/38 B65D47/06 B65D51/00 B65D51/18 B65D51/20 B65D77/22 B65D83/00 B65D83/06 B65D88/00 B67D7/06 B67D7/74 G01F11/00 G07F11/00 G07F11/02 G07F13/00 G07F13/06 (Core/Invention); A23F5/00 A47J31/40 B65D51/20 G07F11/44 G07F13/06 (Core/Non-invention); A47J B65D G01F G07F (Subclass/Invention)

International (IPC 1-7): A47J31/00 A47J31/40 B65D B65D83/06

CPC: A47J31/407 Y10T29/53 A47J42/40 B65D2251/0015 B65D2251/0062 B65D2251/0087 A47G19/16 A47J31/043 B65D51/1611 A47J31/404 B65D51/20

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Probable Assignee: NESTEC SA

Assignee(s): (std): BERGDAHL JOHAN ; BERNHARDSGRUETTER RAPHAEL ; FALK DIETER ; HENTZEL STEPHANE ; JAGGY PETER ; KERNKAMP MICHEL ; NESTEC SA ; SCORRANO LUCIO ; MELDRUM JOHN ; NESTEC S A ; NESTEK S A

Assignee(s): NESTEK SA ; NESTEC S A CH

Inventor(s): (std): BERGDAHL JOHAN ; BERGDAL JOKHAN ; BERNHARDSGRUTTER RAFHAEL ; BERNKHARDSGRJUTTER RAFAEL ; DZAGGI PETER ; EHNTZEL STEFAN ; BERNHARDS GRUETTER RAPHAEL ; BERNHARDSGRUETTER RAPHAEL ; FAL K DITER ; FALK DIETER ; HENTZEL STEPHANE ; JAGGY PETER ; JOHAN BERGDAHL ; JOHN MELDRUM ; KERNKAMP MICHEL ; KERNKAMP MIKHEL ; MEL DRJUM DZHON ; MELDRUM JOHN ; MICHEL KERNKAMP ; PETER JAGGY ; STEPHANE HENTZEL ; SKORRANO LUCHO ; SCORRANO LUCIO ; RAPHAEL BERNHARDSGRUETTER ; LUCIO SCORRANO ; DIETER FALK

Inventor(s): FAL'K DITER ; BERNKHARDSGRJUTTER RAFAEL' ; RAFHAEL BERNHARDSGRUTTER ; RAPHAEL BERNHARDS GRUETTER ; MEL'DRJUM DZHON ; KERNKAMP MIKHEL' ; EHNTZEL' STEFAN ; BERGDAL' JOKHAN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BORDEN LADNER GERVAIS LLP; HARNECKER; ESTUDIO CAREY LIMITADA; ALICIA LLOREDA RICAURTE; MITSCHERLICH PATENT U RECHTSANWAELTE PARTMBB; DUCREUX MARIE; ISERN JORGE; K AND L GATES LLP

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
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SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: CERTAIN CHEMICAL ENTITIES, COMPOSITIONS AND METHODS

Abstract: Chemical entities that modulate PI3 kinase activity, pharmaceutical compositions **containing** the chemical entities, and methods of using these chemical entities for treating diseases and conditions associated with PI3 kinase activity are described herein.

Classifications:

International (IPC 8-9): A01N43/54 A61K A61K31/131 A61K31/196

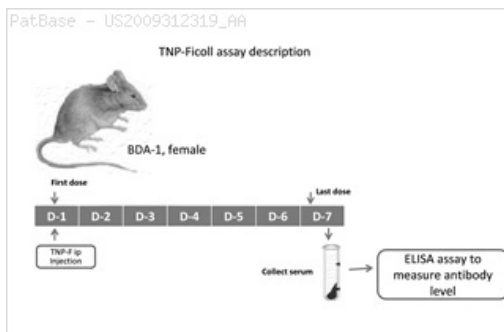
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A61K C07D (Subclass/Invention)

International (IPC 1-7): A61K31/519 A61K31/52 A61K31/535

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A61K31/506 A61K31/519 A61K31/52 C07D473/34 C07D487/04 Y02A50/401 Y02A50/414 Y02A50/465 Y02P20/55

European: C07D473/34 C07D487/04

US: 1/1 424/133.1 424/174.1 435/184 435/184S 435/194 435/375 435/375S 514/110 514/171 514/234.2 514/234.200P
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: INTELLIKINE LLC

Assignee(s): (std): CHAN KATRINA ; INTELLIKAJN EHLEHLSI ; INTELLIKAJN ELELSI ; INTELLIKINE ; INTELLIKINE INC ; INTELLIKINE LLC ; REN PINGDA ; WILSON TROY EDWARD ; ROMMEL CHRISTIAN ; LI LIANSHENG ; LIU YI

Assignee(s): INTELLIKINE LLC LA JOLLA

Inventor(s): (std): EDWARD WILSON TROY ; KATRINA CHAN ; LI LIANSHENG ; LIANSHENG LI ; LIU JI ; LIU YI ; PINGDA REN ; REN PINGDA ; ROMMEL CHRISTIAN ; ROMMEL KRISTIAN ; TROY EDWARD WILSON ; UILSON TROJ EHDVARD ; WILSON EDWARD TROY ; WILSON TROY EDWARD ; YI LIU ; WILSON TROY ; UILSON TROJ EDVARD ; CHAN KATRINA ; CHRISTIAN ROMMEL

Inventor(s): EDWARD TROY WILSON ; ROMMEL CHRISTIAN LA JOLLA ; REN PINGDA SAN DIEGO ; LIU YI SAN DIEGO ; LI LIANSHENG SAN DIEGO ; CHAN KATRINA FREMONT ; WILSON TROY EDWARD ROLLING HILLS ESTATES

Agent(s): FB RICE; FB RICE PTY LTD; ADE AND CO INC; SMART AND BIGGAR; WINTER BRANDL FUERNISS HUEBNER ROESS KAISER POLTE PARTNERSCHAFT MBB; VOSSIUS AND PARTNER; CRUMP JULIAN RICHARD JOHN; VON UEKKUELL GUELDENBAND ALEXA; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO LLP; BERESFORD CRUMP LLP; SUGRANES PEDRO; SANFORD TCOLB AND CO; SPRUSON AND FERGUSON ASIA PTE LTD; ERKAN SEVINC; WILSON SONSINI GOODRICH AND ROSATI; LANDO AND ANASTASI LLP; JONES DAY; WONG KAREN K ET AL; WONG KAREN K

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: GLUCANASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: The invention relates to polypeptides having glucanase, e.g., endoglucanase, mannanase, xylanase activity or a combination of these activities, and polynucleotides encoding them. In one aspect, the glucanase activity is an endoglucanase activity (e.g., endo-1,4-beta-D-glucan 4-glucano hydrolase activity) and comprises hydrolysis of 1,4-beta-D-glycosidic linkages in cellulose, cellulose derivatives (e.g., carboxy methyl cellulose and hydroxy ethyl cellulose) lichenin, beta-1,4 bonds in mixed beta-1,3 glucans, such as cereal beta-D-glucans or xyloglucans and other plant material **containing** cellulosic parts. In addition, methods of designing new enzymes and methods of use thereof are also provided. In alternative aspects, the new glucanases e.g., endoglucanases, mannanases, xylanases have increased activity and stability at increased pH and temperature.

Classifications:

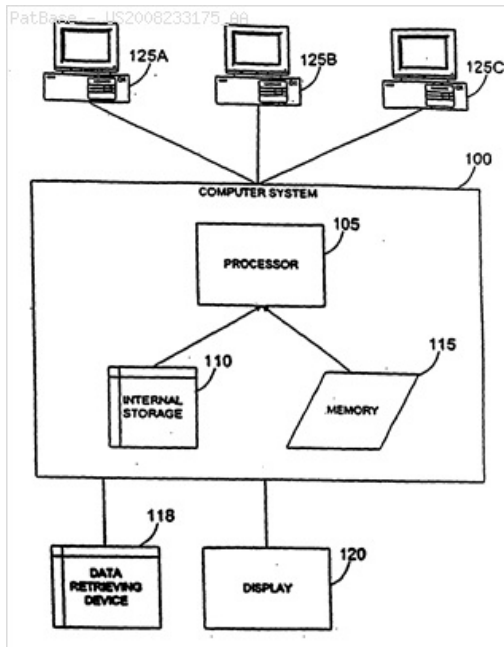
International (IPC 8-9): A01H1/00 A01H5/00 A01H5/10 A01K67/02 A01K67/027 A21D13/00 A21D2/24 A21D2/26 A21D6/00 A21D8/04 A23C19/03 A23C19/032 A23C19/04 A23C19/055 A23C9/12 A23C9/127 A23C9/13 A23C9/137 A23C9/152 A23G9/00 A23K1/00 A23K1/16 A23K1/165 A23K1/18 A23K10/14 A23K20/147 A23K20/189 A23K40/10 A23K50/10 A23L1/00 A23L1/30 A23L1/305 A23L2/00 A23L2/38 A23L2/52 A23L2/66 A23L2/70 A23L3/10 A23L3/18 A61K31/7088 A61K38/00 A61K38/46 A61K38/47 A61K47/00 A61K8/66 A61K9/00 A61P1/14 A61P31/00 A61P31/04 A61P33/02 A61Q11/00 C07H21/00 C07H21/04 C07H3/00 C07K1/12 C07K14/195 C07K14/37 C07K14/47 C07K16/40 C07K17/00 C07K19/00 C07K7/08 C08B1/00 C08K3/00 C08L1/00 C08L101/00 C08L89/00 C08L97/00 C09K8/62 C10L1/02 C11D3/38 C11D3/386 C11D7/42 C12C5/02 C12C7/00 C12H1/02 C12M1/00 C12M1/34 C12N1/15 C12N1/19 C12N1/20 C12N1/21 C12N11/00 C12N11/02 C12N11/14 C12N11/16 C12N15/00 C12N15/01 C12N15/02 C12N15/09 C12N15/10 C12N15/11 C12N15/113 C12N15/56 C12N15/62 C12N15/63 C12N15/86 C12N15/861 C12N15/867 C12N5/10 C12N5/12 C12N5/14 C12N5/16 C12N9/24 C12N9/26 C12N9/42 C12P19/00 C12P19/02 C12P19/04 C12P19/12 C12P19/14 C12P19/18 C12P19/34 C12P21/02 C12P21/06 C12P21/08 C12P7/06 C12P7/08 C12P7/10 C12Q1/02 C12Q1/04 C12Q1/34 C12Q1/54 C12Q1/68 C40B30/08 C40B40/08 C40B50/00 C40B50/06 D21C1/00 D21C5/00 D21C5/02 D21C9/00 D21H13/34 D21H17/22 D21H25/02 G01N33/15 G01N33/50 G01N33/53 G01N33/57 G01N33/573 G06F19/00 (Advanced/Invention); C12P21/08 (Advanced/Non-invention); A01K67/02 A23K1/16 C07K14/43 G01N33/57 (Core/Invention); C12N (Subclass/Invention)

International (IPC 1-7): C12N1/00 C12N15/56 C12N15/63 C12N5/10 C12N9/26 C12N9/42

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: BP PLC

Assignee(s): (std): DIVERSA CORP ; STEER BRIAN ; CALLEN WALTER ; HEALEY SHAUN ; PULLIAM DERRICK ; VERENIUM CORP ; SYNGENTA PARTICIPATIONS AG ; BASF ENZYMES LLC ; BP CORP NORTH AMERICA INC

Assignee(s): BP CORP NORTH AMERICA INC HOUSTON ; BP NORTH AMERICA INC CORP ; BP NORTH AMERICA INC CORP4104 WINFIELD ROADWARRENVILLEIL60555US ; BP NORTH AMERICA INC HOUSTON CORP ; DIVERSA CORP4955 DIRECTORS PLACESAN DIEGOCA92121-1609US ; SYNGENTA PARTICIPATIONS AGSCHWARZWALDALLEE 215CH-4058BASELCH ; VERENIUM CORP SAN DIEGO ; BP PLC ; VERENIUM CORP4955 DIRECTORS PLACESAN DIEGOCA92121US

Inventor(s): (std): BRIAN STEER ; CALLEN WALTER ; CALLEN WALTER NILES ; DERRICK PULLIAM ; HEALEY SHAUN ; PULLIAM DERRICK ; SHAUN HEALEY ; STEER BRIAN ; WALTER CALLEN

Inventor(s): PULLIAM DERRICK SYNGENTA BIOTECHNOLOGY INC ; STEER BRIAN SAN DIEGO ; STEER BRIANUS ; PULLIAM DERRICK NORTH CAROLINA ; PULLIAM DERRICK SYNGENTA BIOTECHNOLOGY INC RESEARCH TRIANGLE PARK ; PULLIAM DERRICKUS ; HEALEY SHAUN CARLSBAD ; HEALEY SHAUNUS ; CALLEN WALTER SAN DIEGO ; CALLEN WALTERUS

Agent(s): HERBERT SMITH FREEHILLS; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; KUHNEN AND WACKER PATENT U RECHTSANWALTSBUERO; Wakerley Helen Rachael; WAKERLEY HELEN RACHAEL; UNGRIA JAVIER; YAMASAKI KAZUO; NISHIJIMA TAKAKI; HAKODA ATSUSHI; ICHIKAWA SATSUKI; ASAI KENJI; TAKIZAWA TOSHIO; DESHIMARU TAKESHI; VERENIUM C O MOFO SD; KALIM S; DLA PIPER LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR 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

Abstract: Novel T129 polypeptides, proteins, and nucleic acid molecules are disclosed. In addition to isolated, full-length T129 proteins, the invention further provides isolated T129 fusion proteins, antigenic peptides and anti-T129 antibodies. The invention also provides T129 nucleic acid molecules, recombinant expression vectors **containing** a nucleic acid molecule of the invention, host cells into which the expression vectors have been introduced and non-human transgenic animals in which a T129 gene has been introduced or disrupted. Diagnostic, screening and therapeutic methods utilizing compositions of the invention are also provided.

International (IPC 8-9): A61K31/7088 A61K31/7105 A61K31/711 A61K38/00 A61K38/16 A61K38/19 A61K39/00 A61K39/395 A61K45/00 A61P11/06 A61P19/02 A61P21/00 A61P25/00 A61P25/02 A61P25/14 A61P25/16 A61P25/28 A61P29/00 A61P3/10 A61P35/00 A61P37/02 A61P43/00 A61P9/00 A61P9/10 C07H21/00 C07H21/02 C07H21/04 C07K1/00 C07K1/107 C07K14/00 C07K14/435 C07K14/47 C07K14/52 C07K14/54 C07K14/705 C07K14/71 C07K14/715 C07K16/00 C07K16/18 C07K16/24 C07K16/28 C07K17/00 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N11/00 C12N15/00 C12N15/09 C12N15/11 C12N15/113 C12N15/12 C12N15/19 C12N15/24 C12N15/28 C12N15/62 C12N15/63 C12N15/85 C12N15/86 C12N5/071 C12N5/10 C12N9/00 C12N9/96 C12P21/00 C12P21/02 C12P21/04 C12P21/06 C12Q1/00 C12Q1/02 C12Q1/48 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 (Advanced/Invention); A61K31/7088 A61K31/7105 A61K31/711 A61K38/00 A61K39/00 A61K39/395 A61K45/00 A61P21/00 A61P25/00 A61P29/00 A61P35/00 A61P43/00 A61P9/00 C07K14/00 C07K16/00 C07K16/18 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N5/10 C12N9/00 C12P21/02 C12P21/04 C12Q1/02 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 (Advanced/Non-invention):

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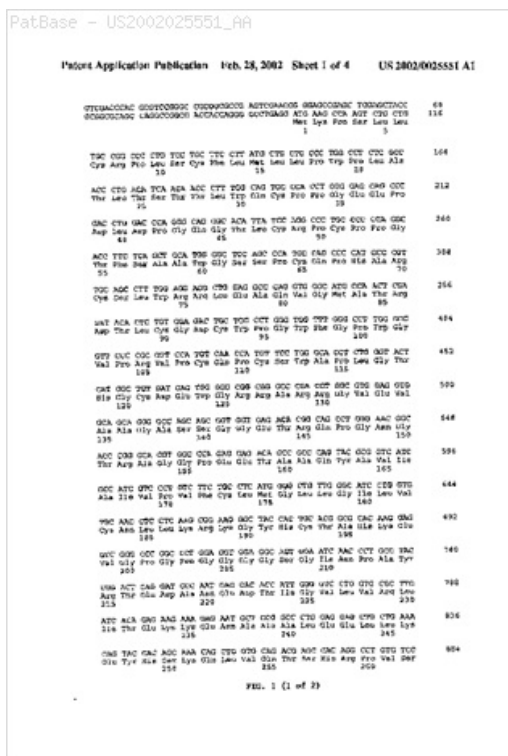
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European: C07K14/47 C07K14/52 C07K14/52A C07K14/54 C07K14/705B C07K14/705D C07K14/705R C07K14/715B C07K16/28B C12N15/113C K01K2127/05 K61K38/00 K61K39/00 K61K39/505 M07K203/00 M07K203/02 M07K205/00 M07K207/00 M07K213/00 M07K213/02 M07K213/04 M07K215/00 M07K319/00 S01N333/54

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Probable Assignee: MILLENNIUM PHARMACEUTICALS INC
Assignee(s): (std): GEARING DAVID P ; MCCARTHY SEAN A ; PAN YANG ; MILLENNIUM PHARM INC ; MILLENNIUM BIOTHERAPEUTICS INC ; MILLENNIUM PHARMACEUTICALS INC ; LORA JOSE ; MILLENNIUM TAKEDA ONCOLOGY CO

Assignee(s): MILLENNIUM PHARMACEUTICALS INC A DELAWARE CORP ; MACKAY CHARLES ; MILLENNIUM PHARMACEUTICALS ; MILLENNIUM PHARMACEUTICALS INC ; MILLENNIUM BIOTHERAPEUTICS ; MILLENNIUM PHARMACEUTICALS INC A DELAWARE CORPORAT ; HOLTZMAN DOUGLAS ; HOLTZMAN DOUGLAS A ; BARNES THOMAS M ; BUSFIELD SAMANTHA J

Inventor(s): (std): LORA JOSE ; MACKAY CHARLES R ; MCCARTHY A ; MCCARTHY SEAN ; MCCARTHY SEAN ANTHONY ; PAN YANG ; SAMANTHA J BUSFIELD ; SEAN A MCCARTHY ; THOMAS M BARNES ; YANG PAN ; MCCARTHY SEAN A ; GEARING DAVID P ; MACKAY CHARLES ; LORA JOSE M ; BUSFIELD SAMANTHA J ; BARNES THOMAS M ; CHARLES MACKAY ; DAVID P GEARING ; DOUGLAS HOLTZMAN ; GEARING DAVID ; GEARING DAVID PAUL ; GEARING P ; HOLTZMAN DOUGLAS A ; HOLTZMANN DOUGLAS ; HOLTZMAN DOUGLAS

Inventor(s): BARNES THOMAS ; BUSFIELD SAMANTHA ; JOSE LORA ; JOSE M LORA

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GRIFFITH HACK; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; MARKS AND CLERK; SMART AND BIGGAR; GOODFELLOW HUGH ROBIN; MILLENNIUM PHARMACEUTICALS INC; MARSHALL GERSTEIN AND BORUN 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 CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC 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: DEVICE FOR TREATMENT OF BARRIER MEMBRANES

Abstract: The present invention features a device having a barrier membrane contacting surface, the device **containing:** a power source; a first conductive electrode; a second conductive electrode; and a carrier; wherein the power source is in electric communication with the first conductive electrode and the second conductive electrode, wherein the first conductive electrode and the second conductive electrode are in ionic communication with the carrier, and wherein the carrier is in communication with the barrier membrane contacting surface.

Classifications:

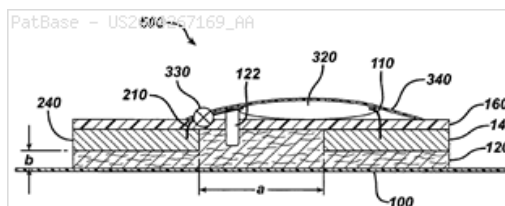
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International (IPC 1-7): A61H1/00 A61M31/00 A61N1/20 A61N1/30 A61N1/32

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Family:

Publication number	Publication date	Application number	Application date
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CA20142530598	20140121				

Probable Assignee: JOHNSON AND JOHNSON CONSUMER INC

Assignee(s): (std): CHANTALAT JEANNETTE ; HAUSCHILD JAMES E ; J AND J CONSUMER COMPANIES INC ; JOHNSON AND JOHNSON ; JOHNSON AND JOHNSON CONSUMER ; LIU JUE CHEN ; JOHNSON AND JOHNSON CONSUMER COMPANIES INC ; SUN YING ; WU JEFFREY M ; WU JEFFREY ; PHIPPS JOSEPH B ; OMER ALIYA

Assignee(s): JOHNSON AND JOHNSON CONSUMER PRODUCTS INC ; JOHNSON JOHNSON ; JOHNSON AND JOHNSON CONSUMER COMPAINES INC ; JOHNSON AND JOHNSON CONSUMER COMPANIES INC199 GRANDVIEW ROADSKILLMANNJ08558US ; JOHNSON AND JOHNSON CONSUMER COMPANIES LLC ; JOHNSON AND JOHNSON CONSUMER INC ; JOHNSON AND JOHNSON CONSUMER COMPANIES INC SKILLMAN ; JOHNSON ANDJOHNSON CONSUMER COMPANIES INC

Inventor(s): (std): ALIYA OMER ; ALIYA SUN YING WU JEFFREY LIU ; CHANTALAT JEANNETTE ; CHEN LIU JUE ; HAUSCHILD JAMES ; HAUSCHILD JAMES E ; JAMES E HAUSCHILD ; JEANNETTE CHANTALAT ; JEFFREY M WU ; JEFFREY MWU ; JEFFREY WU ; JOSEPH B PHIPPS ; JUE CHEN LIU ; JUE CHEN SUN YING WU JEFFREY L ; LIU JUE CHEN ; SUN YING LIU JUE CHEN WU JEFFR ; LIU JUE CHEN J ; OMER ALIYA ; WU JEFFREY ; WU JEFFREY M ; PHIPPS JOSEPH B ; SUN YING ; YING SUN

Inventor(s): SUN YING BELLE MEAD ; WU JEFFREY M WARRINGTON ; WU JEFFREY MUS ; WU JEFFREY WARRINGTON ; OMER ALIYA PRINCETON ; PHIPPS JOSEPH ; LIU JUE CHENUS ; SUN YING LIU JUE CHEN WU JEFFREY M ; SUN YING LIU JUE CHEN WU JEFFREY M HAUSCHILD JAMES ; SUN YING WU JEFFREY LIU JUE CHEN ; SUN YING WU JEFFREY LIU JUE CHEN CHANTALAT ; SUN YING WU JEFFREY LIU JUE CHEN CHANTALAT JEANNET ; SUN YING WU JEFFREY LIU JUE CHEN CHANTALAT JEANNETTE OMER ALIYA ; SUN YINGUS ; WU JEFFERY ; WU JEFFERY M ; LIU JUE CHEN BELLE MEAD ; HAUSCHILD JAMES E CRANBURY ; HAUSCHILD JAMES EUS ; CHANTALAT JEANNETTE PRINCETON

Agent(s): SHELSTON IP PTY LTD; SHELSTON IP; SMART AND BIGGAR; BOEHMERT AND BOEHMERT
ANWALTSPARTNERSCHAFT MBB PATENTANWAELTE RECHTSANWAELTE; MUELLER BORE AND PARTNER
PATENTANWAELTE PARTG MBB; FISHER ADRIAN JOHN; CARPMAELS AND RANSFORD; IZQUIERDO
JOSE; PHILIP S JOHNSON JOHNSON AND JOHNSON

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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ZA ZM ZW

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Probable Assignee: ENTEK CORP

Assignee(s): (std): MOBAY CHEMICAL CORP ; UNION OIL CO ; YOUNG DONALD C

Assignee(s): ENTEK CORP ; MOBAY CHEMICAL A NJ CORP CORP ; UNION OIL CO CALIF ; UNION OIL CO OF CALIFORNIA A CORPOF CALIF ; UNION OIL CO OF CALIFORNIA ; UNOCAL CORP ; UNION OIL CO OF CALIFORNIA LOS ANGELES CALIFORNIA A ; UNION OIL CO OF CALIFORNIA LOS ANGELES CA A CORP O ; UNION OIL CO OF CALIFORNIA A CORP OF CA ; UNION OIL CO OF CALIFORNIA LOS ANGELES CA A CA COR ; UNION OIL CO OF CALIFORNIA A CA CORP ; UNION OIL CO OF CA ; UNION OIL CO OF

CALIFORNIA LOS ANGELES CALIFORNIA ; UNION OIL CO OF CALIFORNIA LOS ANGELES CALIF US ;
UNION OIL CO OF CALIFORNIA LOS ANGELES CALIF

Inventor(s): (std): YOUNG DONALD CHRISTOPHER ; YOUNG DONALD C ; REINERT GERARD E ; LIM IN C ; DONARUDO
SHII YANGU ; DONALD CLIFFORD YOUNG ; CARTER JR RUSSELL P

Inventor(s): DONALD C YOUNG

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY
LTD; FETHERSTONHAUGH AND CO; REINHOLD COHN AND PARTNERS

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

Title: MODIFIED TRANSFERRIN FUSION PROTEINS

Abstract: Modified fusion proteins of transferrin and therapeutic proteins or peptides including soluble toxin receptors, with increased serum half-life or serum stability are disclosed. Preferred fusion proteins include those modified so that the transferrin moiety exhibits no or reduced glycosylation, binding to iron and/or binding to the transferrin receptor.

Classifications:

International (IPC 8-9): A01K67/00 A01K67/02 A01K67/027 A01K67/033 A61K38/00 A61K38/08 A61K38/16 A61K38/17 A61K38/18 A61K38/21 A61K38/22 A61K38/26 A61K38/27 A61K38/28 A61K38/40 A61K38/41 A61K38/43 A61K39/00 A61K39/38 A61K39/395 A61K45/00 A61K47/42 A61K47/48 A61K9/00 A61K9/28 A61K9/48 A61P1/00 A61P1/16 A61P11/06 A61P11/08 A61P15/00 A61P15/08 A61P15/18 A61P17/02 A61P19/02 A61P19/08 A61P21/00 A61P25/00 A61P25/02 A61P25/28 A61P29/00 A61P3/00 A61P3/04 A61P3/06 A61P3/08 A61P3/10 A61P31/00 A61P31/04 A61P31/10 A61P31/12 A61P31/14 A61P31/18 A61P31/20 A61P31/22 A61P33/00 A61P35/00 A61P35/02 A61P37/00 A61P37/02 A61P37/04 A61P37/06 A61P37/08 A61P39/00 A61P43/00 A61P5/00 A61P5/50 A61P7/00 A61P7/04 A61P7/06 A61P9/00 A61P9/04 A61P9/10 A61P9/12 C07H19/073 C07H21/04 C07K C07K1/00 C07K1/107 C07K14/00 C07K14/435 C07K14/47 C07K14/505 C07K14/52 C07K14/555 C07K14/575 C07K14/605 C07K14/62 C07K14/705 C07K14/79 C07K16/00 C07K16/18 C07K16/24 C07K16/46 C07K17/00 C07K19/00 C07K7/04 C07K7/06 C07K7/28 C12N1/15 C12N1/18 C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/10 C12N15/12 C12N15/13 C12N15/16 C12N15/17 C12N15/18 C12N15/20 C12N15/62 C12N15/63 C12N15/65 C12N15/70 C12N15/74 C12N15/81 C12N15/85 C12N15/86 C12N5/00 C12N5/02 C12N5/10 C12P21/00 C12P21/02 C12P21/04 C12P21/06 C40B40/10 (Advanced/Invention); A61K38/00 C07K14/00 C07K14/79 C07K5/00 (Advanced/Non-invention); A01K67/00 A01K67/027 A61K38/00 A61K38/08 A61K38/16 A61K38/17 A61K38/26 A61K38/27 A61K38/40 A61K38/41 A61K38/43 A61K39/395 A61K45/00 A61K47/48 A61P1/00 A61P17/00 A61P21/00 A61P3/00 A61P43/00 A61P5/00 A61P9/00 C07H19/00 C07H21/00 C07K1/00 C07K14/435 C07K16/46 C07K19/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/10 C12N15/12 C12N15/16 C12N15/62 C12N15/63 C12N15/85 C12N5/02 C12N5/10 C12P21/00 C12P21/02 C12P21/04 C12P21/06 C40B40/04 (Core/Invention); C07K5/00 (Core/Non-invention); A01K A61K C07D C07H C07K C12N C12P (Subclass/Invention)

International (IPC 1-7): A01K A01K67/00 A01K67/027 A01K67/033 A61K A61K38/00 A61K38/08 A61K38/16 A61K38/17 A61K38/18 A61K38/21 A61K38/22 A61K38/26 A61K38/27 A61K38/40 A61K38/41 A61K39/00 A61K39/38 A61K39/395 A61K47/48 A61P3/10 A61P31/12 A61P31/18 A61P35/00 A61P7/06 C01K1/00 C01K14/00 C07D C07D201/00 C07H C07H21/04 C07K1/00 C07K1/14 C07K14/00 C07K14/47 C07K14/505 C07K14/555 C07K14/565 C07K14/605 C07K14/62 C07K14/705 C07K14/79 C07K14/81 C07K16/00 C07K16/24 C07K16/46 C07K17/00 C07K19/00 C12N C12N1/19 C12N1/21 C12N15/00 C12N15/09 C12N15/12 C12N15/13 C12N15/17 C12N15/20 C12N15/62 C12N15/63 C12N15/65 C12N15/70 C12N15/74 C12N15/86 C12N5/00 C12N5/02 C12N5/06 C12N9/14 C12N9/48 C12N9/50 C12P C12P21/00 C12P21/02 C12P21/04

CPC: A61K38/26 C07K14/605 C07K16/241 C07K2318/20 A61K38/28 C07K1/1075 C07K14/521 C07K14/575 C07K2317/565 C07K2317/622 C07K2319/33 C07K2319/74 A61K38/40 C07K7/08 C07K14/005 C07K14/47 C07K14/565 C07K14/70582 C07K2319/035 C07K2319/40 C12N2740/16122 C12N15/1037 C07K2319/75 C12N15/1044 A61K47/644 C07K7/06 C12N15/62 C07K14/79 A01K2217/05 A61K38/00 C07K2319/00 C07K2319/31

European: A61K38/26 A61K38/28 A61K38/40 A61K47/48R2P C07K1/107D2 C07K14/005 C07K14/16D C07K14/47 C07K14/52A C07K14/565 C07K14/575 C07K14/605 C07K14/705S C07K14/79 C07K16/24B C07K7/06 C07K7/08 C12N15/10C1 C12N15/62 K01K217/05 K61K38/00 M07K203/02 M07K207/00 M07K317/565 M07K317/622 M07K318/200 M07K319/00 M07K319/035 M07K319/31 M07K319/33 M07K319/40 M07K319/74 M07K319/75 M12N740/16122

US: 424/1.69 424/178.1 424/178.100P 424/178.100S 424/192.1 424/400 424/400S 424/463 424/463P 424/474 424/474S 424/85.5 424/85.500S 435/254.2 435/254.200S 435/255.1 435/255.100S 435/320.1 435/320.100S 435/325 435/325S 435/326 435/326S 435/69.1 435/69.100S 435/69.7 435/69.700P 435/69.700S 435/7.1 435/7.100P 506/14 506/14S 506/18 506/18S 506/9 506/9S 514/1.2 514/1.200P 514/1.3 514/1.300S 514/11.2 514/11.200S 514/11.7 514/11.700S 514/12 514/13.5 514/13.500S 514/16.4 514/16.400S 514/17.7 514/17.700S 514/17.9 514/17.900S 514/18 514/19.3 514/19.300S 514/2 514/2.3 514/2.300S 514/2.5 514/2.500S 514/20.3 514/20.300S 514/20.9 514/20.900S 514/21.2 514/21.200S 514/3.7 514/3.700S 514/3.8 514/3.800S 514/4.8 514/4.800S 514/5.2 514/5.200S 514/5.4 514/5.400S 514/5.9 514/5.900S 514/6 514/6.9 514/6.900S 514/7.2 514/7.200S 514/7.3 514/7.7 514/7.700S 514/8 530/303 530/308 530/330 530/330S 530/35 530/350 530/350S 530/351 530/351S 530/38 530/380 530/380S 530/387.3 530/391.1 530/391.100P 530/391.100S 530/394 530/397 530/397S 530/399 530/399S 530/400 530/400S 530/402 530/530 536/23.4 536/23.400S 536/23.5 536/23.500S 536/23.53 536/23.530S 800/13 800/13S 800/14 800/14S 800/4 800/4S 800/5 800/5S 800/6 800/6S 800/7 800/7P 800/7S 800/8 800/8S

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Priority:

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Probable Assignee: BIOREXIS TECHNOLOGY INC

Assignee(s): (std): BALLANCE DAVID J ; BIOREXIS PHARMACEUTICAL CORP ; BIOREXIS TECHNOLOGY INC ; LAI CHAR HUEI ; PRIOR CHRISTOPHER P ; SADEGHI HOMAYOUN ; TURNER ANDREW ; TURNER ANDREW J

Assignee(s): BIOREXIS PHARMACEUTICAL CORP NEW YORK

Inventor(s): (std): ANDREW J TURNER ; ANDREW SADEGHI HOMAYOUN PRIOR ; ANDREW TURNER ; BALLANCE DAVID J ; CHAR HUEI LAI ; CHRISTOPHER P PRIOR ; HOMAYOUN SADEGHI ; LAI CHAR HUEI ; PRIOLEAU CHRISTOFFEL P ; PRIOR CHRISTOPHER ; PRIOR CHRISTOPHER P ; PRIOR CHRISTOPHER P LAI CHAR H ; SADEGHI HOMAYOUN ; TURNER ANDREW ; TURNER ANDREW J

Inventor(s): TURNER ANDREW J PHILADELPHIA ; SADEGHI HOMAYOUN PHILADELPHIA ; SADEGHI HOMAYOUN PRIOR CHRISTOPHER P ; PRIOR CHRISTOPHER P LAI CHAR HUEI SADEGHI HOMAYOUN ; PRIOR CHRISTOPHER P KING OF PRUSSIA ; LAI CHAR HUEI KING OF PRUSSIA ; LAI CHAR-HUEI ; BALLANCE DAVID

Agent(s): ALLENS PATENT AND TRADE MARK ATTORNEYS; ALLENS ARTHUR ROBINSON PATENT AND TRADE MARKS ATTORNEYS; DEETH WILLIAMS WALL LLP; SMART AND BIGGAR; LEINWEBER AND ZIMMERMANN; FORD TIMOTHY JAMES; CRIPPS JOANNA ELIZABETH; VALLEJO JUAN PEDRO; ASLI SERIFE BESEN; COOLEY GODWARD LLP; MORGAN LEWIS AND BOCKIUS LLP; COOLEY GODWARD KRONISH LLP; COOLEY GODWARD KRONISH LLP, ATTN: PATENT GROUP; PFIZER INC PATENT DEPARTMENT MS 8260 1611; PHARMACIA GLOBAL PATENT DEPARTMENT CORP; PFIZER INC; TUSCAN MICHAEL S; TUSCAN MICHAEL ET AL

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

Title: Chlorine dioxide generating polymer packaging films

Abstract: A process incorporating a chlorine dioxide generating compound such as sodium chlorite into a polymer or oligomer film is coated onto various substrates. Controlled release is accomplished by absorption of moisture from the environment. The chlorine dioxide so released acts as a biocide and a fumigant. The chlorite is dissolved into a hydrogen bonded phase **containing** a monomeric, or polymeric amide or a monomeric or polymeric alcohol. This hydrogen bonded phase is then mixed with an incompatible apolar phase consisting of anhydride **containing** such as polymers such as maleic anhydride copolymers with olefins, grafted maleic anhydride-polypropylene polymers. Chlorine dioxide is released by direct reaction of the anhydride or hydrolyzed anhydride with the chlorite anion across the phase boundary. Increasing the molecular weight of the phases, increasing the phase incompatibility and decreasing the concentration of anhydride will all decrease the chlorine dioxide release rate.

Classifications:

International (IPC 8-9): A01C1/08 A01N25/00 A01N25/04 A01N25/08 A01N25/10 A01N25/12 A01N25/14 A01N25/18 A01N25/22 A01N25/34 A01N31/02 A01N33/02 A01N33/04 A01N33/08 A01N37/18 A01N43/40 A01N43/60 A01N47/32 A01N57/12 A01N59/00 A01N59/02 A01N59/08 A01P3/00 A22C21/00 A23B4/027 A23B4/10 A23B4/16 A23B4/24 A23B9/14 A23B9/30 A23L3/3409 A23L3/3445 A23L3/3454 A23L3/358 A61K47/00 A61K47/30 A61L15/46 A61L2/16 A61L2/20 A61L2/22 A61L9/00 A61L9/01 B01D39/14 B05D1/08 B05D1/24 B05D7/00 B32B27/00 B32B27/18 B32B27/32 B32B27/36 B32B5/16 B32B7/00 B32B9/04 B65B55/12 B65D81/28 C01B11/00 C01B11/02 C07F9/6596 C08J3/12 C08J3/20 C08J5/18 C08K3/00 C08K3/16 C08K3/28 C08K3/30 C08L101/00 C09K17/00 (Advanced/Invention); A01N25/04 A01N25/08 A01N25/10 A01N25/12 A01N25/22 A01N25/34 A01N37/18 A01N59/08 A01P3/00 A61K47/00 A61K47/30 A61L2/16 A61L2/20 B01D39/14 B32B27/18 B32B5/16 B32B9/04 C01B11/00 C08J3/12 C08L101/00 C09K17/00 (Advanced/Non-invention); A01N25/08 A01N25/10 A01N25/12 A01N25/22 A01N25/34 A01N31/00 A01N33/00 A01N37/18 A01N43/48 A01N47/28 A01N57/00 A01N59/00 A01N59/08 A23B4/02 A23B4/14 A23B9/00 A23L3/34 A23L3/3454 A61K47/30 A61L2/16 A61L2/20 A61L9/01 B01D39/14 B05D1/22 B32B27/18 B65B55/02 B65D81/28 C01B11/00 C08J3/12 C08J3/20 C08J5/18 C08K3/00 C08L101/00 (Core/Invention); A01N25/00 (Core/Non-invention)

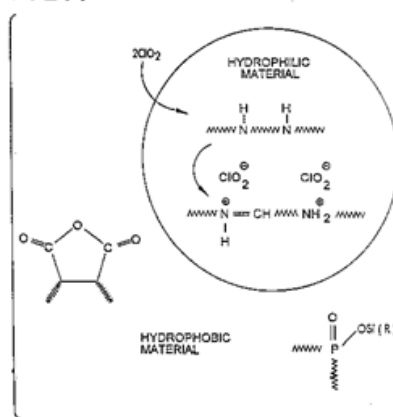
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European: A01N59/00 A01N59/02 A23B4/027 A23B4/16 A23B4/24 A23B9/14 A23B9/30 A23L3/3409 A23L3/358 A61L2/16 A61L2/20 C01B11/02D C01B11/02D2B C07F9/6596

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FIG.1



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: MICROACTIVE CORP

Assignee(s): (std): BERNARD TECHNOLOGIES INC ; SOUTHWERT RESEARCH INST ; SOUTHWEST RES INST ; BERNARD THCHNOLOGIES INC ; SOUTHWEST RESEARCH INST ; SOUTHWEST RES INST SAN ANTONIO ; WELLINGHOFF STEPHEN T ; SOUTHWEST RESEARCH INSTITUTE ; SOUTHWEST RESEARCH INST SAN AN

Assignee(s): SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO TEX ; SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO TEX US ; SOUTHWEST RESEARCH INSTITUTEUS ; SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO ; SUTEFUAN TEI UERINGUHOFU ; SOUTHWERT RESEARCH INSTITUTE ; PRIORITY NUMBER 19950605 US 19950461304 ; CIT HEALTHCARE LLC ; KAMPA JOEL J ; GRAY PETER N ; MICROACTIVE CORP ; SAUSUESUTO RISAACHI INST ; BARENBERG SUMNER A ; BARLOW DARREN E ; BERNARD TECHNOLOGIES

Inventor(s): (std): WELLINGHOFF T ; WELLINGHOFF STEPHEN T ; WELLINGHOFF STEPHEN ; KAMPA JOEL J ; KAMPA J ; GRAY PETER N ; BARLOW DARREN E ; BARENBERG SUMNER A ; SUTEFUAN TEI UERINGUHOFU ; SUMNER A BARENBERG ; STEPHEN T WELLINGHOFF ; PETER N GRAY ; JOEL J KAMPA ; DARREN E BARLOW

Inventor(s): STEPHEN WELLINGHOFF

Agent(s): E F WELLINGTON AND CO; SMART AND BIGGAR

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

Title: TOBACCO COMPOSITIONS

Abstract: The invention features tobacco compositions and methods of their use and manufacture. Compositions of the invention may be based on a variety of technologies. Technologies include films, tabs, shaped parts, gels, consumable units, insoluble matrices, and hollow shapes. In addition to tobacco, compositions may also **contain** flavors, colors, and other additives as described herein. Compositions may also be orally disintegrable. Exemplary compositions and methods of their manufacture are described herein.

Classifications:

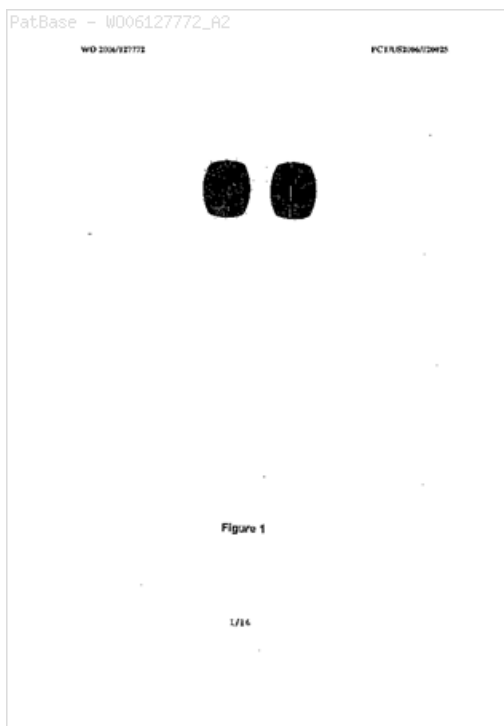
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US: 131/111 131/347 131/352 131/352S 131/353 131/359 131/366 131/366S 424/751 424/751P



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Probable Assignee: US SMOKELESS TOBACCO CO

Assignee(s): (std): ATCHLEY FRANK S ; ATCHLEY FRANK SCOTT ; DESMARAI S ARMAND J ; DUE VERNIE A ; JOHNSON CHERNE W ; MILLER TOD J ; U S SMOKELESS TOBACCO CO ; STRICKLAND JAMES A ; ROSSMAN JAMES M ; WILLIAMS SCOTT A ; US SMOKELESS TOBACCO CO LLC ; STRICKLAND JAMES ARTHUR ; U S SMOKELESS TOBACCO CO LLC ; US SMOKELESS TOBACCO CO

Assignee(s): U S SMOKELESS TOBACCO COMPANY LLC ; US SMOKELESS TOBACCO CO LLC RICHMOND ; U S SMOKELESS TOBACCO COMPANY

Inventor(s): (std): ARMAND J DESMARAI S ; ATCHLEY FRANK S ; ATCHLEY FRANK SCOTT ; CHERNE W JOHNSON ; DESMARAI S ARMAND J ; FRANK S ATCHLEY ; JAMES A STRICKLAND ; JAMES M ROSSMAN ; JOHNSON CHERNE W ; MILLER TOD J ; ROSSMAN JAMES M ; SCOTT A WILLIAMS ; STRICKLAND JAMES A ; STRICKLAND JAMES A ATCHLEY FRA ; WILLIAMS SCOTT A A ; STRICKLAND JAMES A A ; ROSSMAN JAMES M M ; MILLER TOD J J ; JOHNSON CHERNE W W ; DESMARAI S ARMAND J J ; ATCHLEY FRANK S S ; STRICKLAND JAMES ARTHUR ; DUE VERNIE A ; TOD J MILLER ; WILLIAMS SCOTT A

Inventor(s): WILLIAMS SCOTT A GREENBRIER ; WILLIAMS SCOTT ; STRICKLAND JAMES A ATCHLEY FRANK S ROSSMAN JAMES M ; STRICKLAND JAMES A GOODLETTSVILLE ; STRICKLAND JAMES ; ROSSMAN JAMES M TAMPA ; MILLER TOD J SMYRNA ; ROSSMAN JAMES ; JOHNSON CHERNE W ANTIOCH ; MILLER TOD ; JOHNSON CHERNE ; FRANK SCOTT ATCHLEY ; DESMARAI S ARMAND J INVERNESS ; DESMARAI S ARMAND ; ATCHLEY FRANK S NASHVILLE ; ATCHLEY FRANK

Agent(s): SPRUSON AND FERGUSON; WUESTHOFF AND WUESTHOFF PATENTANWAELTE PARTG MBB; BIRD ARIANE ET AL; WICHMANN HENDRIK; CARVAJAL Y ISABEL; SHIMIZU HATSUSHI; OSAKABE SUGURU; KAWAMOTO KAZUYA; CLARK AND ELBING LLP; FISH AND RICHARDSON PC; FISH AND RICHARDSON P C

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

Title: MACHINE FOR THE MANUFACTURE OF DOSAGE FORMS UTILIZING RADIOFREQUENCY ENERGY

Abstract: The present invention features a machine for the production of a solid dosage form including: (a) a die platen having one or more forming cavities each having an inner wall, a first opening at the surface of one side of the die platen, and a second opening at the surface on the opposite side of the die platen; (b) one or more first forming tools each adapted to move into one of the forming cavities through the first opening of the forming cavity; (c) one or more second forming tools each adapted to move adjacent to one of the second openings or into one of the forming cavities through the second opening of the forming cavity; (d) at least one first RF electrode operably associated with the one or more first forming tools, the one or more second forming tools, or the inner wall of the one or more forming cavities; and (e) at least one second RF electrode operably associated with the one or more first forming tools.

Classifications:

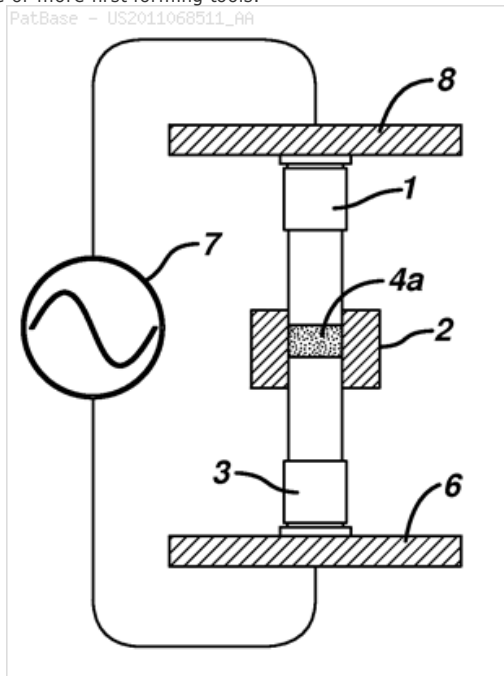
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International (IPC 1-7): A23G3/30

CPC: A61K9/209 A61J2200/42 A61K9/2013 B29C43/36 B29C2043/3618 A61K36/185 A23G4/04 A23G4/06 A23G4/12 A61K9/145 A61K9/146 A61K9/2018 A61K31/167 A61K31/4545 B29C43/006 B29C2043/3628 B30B11/085 B29C43/08 A61K9/205 A61K31/192 A61J3/10 A61K47/38 B30B15/02 A61K9/0056 A61K9/0058 A61K9/2031 A61K9/2068 A61K9/2086 A61K9/2095 A61K9/2853 A61K9/288 B29C2035/0861 B30B11/022 B30B11/027 B30B11/10 A23P10/20 B30B11/08 A61K9/2036 B29C43/146 A61K31/138 B30B15/34

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Probable Assignee: MCNEIL PPC INC

Assignee(s): (std): BUNICK FRANK J ; CHEN JEN CHI ; DREHER MARK ; HEDENSTROM JOHN ; HENDENSTROM JOHN ; KOLL GREGORY E ; LUBER JOSEPH R ; KRIKSUNOV LEO B ; LINDELL KATARINA ; HUGERTH ANDREAS ; KIRKSUNOV LEO B ; SOWDEN HARRY S ; SZYMCZAK CHRISTOPHER E ; OLSSON ROLAND ; WYNN DAVID W ; NICKLASSON FREDRIK ; POM WONDERFUL LLC ; MCNEIL PPC INC ; OLSSON ROLLAND ; MCNELL PPC INC ; WYN DAVID W ; JOHNSON AND JOHNSON CONSUMER INC

Assignee(s): JOHNSON AND JOHNSON CONSUMER INC SKILLMAN ; MAKNEIL PPS INK ; JOHNSON AND JOHNSON CONSUMER COMPANIES INC

Inventor(s): (std): BANIK FREHNK DZH ; BANIK FRENK DZH ; BUNICK FRANK J ; BUNICK FRANK J FJ ; BUNICK FRANK ; CHEN JEN CHI ; DREHER MARK ; KOLL GREGORY E ; KRIKSUNOV LEO B ; HEDENSTROM JOHN ; HUGERTH ANDREAS ; KIRKSUNOV LEO B ; HENDENSTROM JOHN ; JEN CHI CHEN ; SOWDEN HARRY S ; SZYMCZAK CHRISTOPHER E ; LUBER JOSEPH R ; OLSSON ROLAND ; WYNN DAVID W ; NICKLASSON FREDRIK ; LINDELL KATARINA ; OLSSON ROLLAND ; WYN DAVID W ; ROLLAND OLSSON ; LUBER JOSEPH ; SHIMCHAK KRISTOFER I ; SAUDEN GARRI S ; LUBER DZHOZE F R ; SOWDEN HARRY S HS ; KRIKSUNOV LEO B LB ; LUBER JOSEPH R JR ; SZYMCZAK CHRISTOPHER E CE ; CHEN JEN CHI J C ; CHEN JEN CHI J ; KOLL GREGORY E GE ; KRIKSUNOV LEO ; KOLL GREGORY ; WYN DAVID W DW ; OLSSON ROLAND R ; SZYMCZAK CHRISTOPHER ; SOWDEN HARRY

Inventor(s): LUBER JOSEPH R QUAKERTOWN ; SOWDEN HARRY S GLENSIDE ; KRIKSUNOV LEO B ITHACA ; WYNN DAVID W HUNTINGDON VALLEY ; SZYMCZAK CHRISTOPHER E MARLTON ; KOLL GREGORY E HILLSBOROUGH ; GREGORY E KOLL ; DAVID W WYNN ; CHEN JEN CHI MORRISVILLE ; LEO B KRIKSUNOV ; LEO BKRIKSUNOV ; HARRY S SOWDEN ; JOSEPH R LUBER ; HARRY SSOWDEN ; FRANK JBUNICK ; FRANK J BUNICK ; CHRISTOPHER E SZYMCZAK ; BUNICK FRANK J RANDOLPH

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SMART AND BIGGAR; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; KIRSCH SUSAN EDITH; IZQUIERDO MARIA ALICIA; WILLIAM E; JOHNSON PHILIP S ET AL; MCGOWAN WILLIAM E ET AL; LEITH NANCY J

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: BISMUTH-THIOLS AS ANTISEPTICS FOR EPITHELIAL TISSUES, ACUTE AND CHRONIC WOUNDS, BACTERIAL BIOFILMS AND OTHER INDICATIONS

Abstract: Compositions and methods, including novel homogeneous microparticulate suspensions, are described for treating acute wounds, chronic wounds and/or a wound or epithelial tissue surface that **contains** bacterial biofilm, including unexpected synergy between bismuth-thiol (BT) compounds and certain antibiotics, to provide topical formulations including antiseptic formulations, for management and promotion of wound healing and in particular infected wounds. Previously unpredicted antibacterial properties and anti-biofilm properties of disclosed BT compounds and BT compound-plus-antibiotic combinations are also described, including preferential efficacies of certain such compositions for treating gram-positive bacterial infections, and distinct preferential efficacies of certain such compositions for treating gram-negative bacterial infections.

Classifications:

International (IPC 8-9): A01M1/20 A01N A01N25/04 A01N25/08 A01N25/12 A01N25/34 A01N37/18 A01N43/16 A01N43/36 A01N43/40 A01N43/54 A01N43/60 A01N43/78 A01N43/82 A01N43/84 A01N43/90 A01N45/00 A01N47/44 A01N55/02 A01N57/24 A01N59/02 A01N59/16 A01N63/00 A01P1/00 A01P3/00 A61K31/045 A61K31/095 A61K31/138 A61K31/165 A61K31/192 A61K31/28 A61K31/29 A61K31/407 A61K31/426 A61K31/427 A61K31/43 A61K31/431 A61K31/44 A61K31/4409 A61K31/495 A61K31/496 A61K31/497 A61K31/5377 A61K31/5383 A61K31/545 A61K31/546 A61K31/555 A61K31/65 A61K31/665 A61K31/7004 A61K31/7028 A61K31/7036 A61K31/704 A61K31/7042 A61K31/7048 A61K31/7052 A61K31/7056 A61K31/95 A61K33/24 A61K38/00 A61K38/02 A61K38/08 A61K38/12 A61K38/14 A61K38/27 A61K38/48 A61K45/00 A61K45/06 A61K8/19 A61K8/46 A61K9/00 A61K9/06 A61K9/10 A61K9/14 A61K9/16 A61K9/70 A61L24/00 A61L24/06 A61P1/02 A61P17/00 A61P17/02 A61P3/04 A61P3/08 A61P3/10 A61P31/00 A61P31/02 A61P31/04 A61P31/10 A61P31/12 A61P43/00 A61Q11/00 A61Q19/10 C07H21/04 C07K14/46 C07K14/61 C12N1/21 C12N15/62 C12N15/63 C12N5/10 C12N9/64 (Advanced/Invention); A61K31/045 A61K31/28 A61P17/00 A61P31/00 (Core/Invention); A01P1/00 (Core/Non-invention); A01N A01P A61K A61P (Subclass/Invention)
CPC: A61K31/165 A61K31/426 A61K31/496 A61K31/65 A61K31/7036 A61K31/704 A61K31/7042 A61K38/14 A61K45/06 A01N43/16 A01N47/44 A01N45/00 A01N37/18 A01N43/90 A01N43/78 A61K9/145 A01N43/82 A61K31/29 A61K33/245 A61K2300/00 A61K31/555 A61K31/28 A61K9/0014 A61K9/06 A61K9/10 A61K9/7023 A61K9/0019 A61K9/0043 A61K9/0048 A61K9/0053 A61K9/0073 A61K9/70 A61K9/16 A61K31/546 A61K31/545 A61K31/7004 A61L24/0015 A61L24/0031 A61L24/06 A01N43/60 A01N43/36 A01N43/40 A61K31/431 A61K31/407 A61K31/5383 A61K31/7048 A01N43/84 A01N57/24 A01N43/54 A61K31/4409 A61K38/12 A61K31/665 A61K31/5377 A61K31/427 A61K31/44 A61K31/7028 A01N25/08 A61L2300/404 A01N55/02 A61K31/095 Y02A50/471 Y02A50/473 Y02A50/475 Y02A50/478 Y02A50/481
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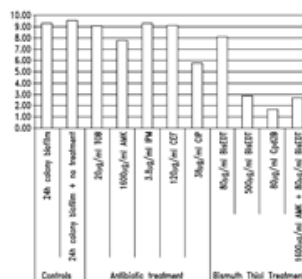


FIG. 1

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AU20170200712	20170202	JP20170141774	20170721		

Probable Assignee: MICROBION CORP

Assignee(s): (std): BAKER BRETT HUGH JAMES ; MICROBION CORP ; WINTHROP UNIV HOSPITAL

Inventor(s): (std): BAKER BRETT HUGH JAMES ; BRETT HUGH JAMES BAKER ; BARKER BRETT HUGH JAMES ; DOMENICO PHILIP ; JAMES BAKER BRETT HUGH ; JAMES BAKER BRETT HUG

Inventor(s): BAKER BRETT ; BRETT HUGH JAMES BARKER

Agent(s): SPRUSON AND FERGUSON; DAVIES COLLISON CAVE PTY LTD; NORTON ROSE OR SENCRL SRL LLP; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; NORTON ROSE CANADA SENCRL SRL LLP; CLARKE MODET AND CO CHILE; CLARKE MODET AND CO CHILE LTDA; ROQUES SARAH ELIZABETH; DR SHLOMO COHEN AND CO; MARKS AND CLERK SINGAPORE LLP; SEED INTELLECTUAL PROPERTY LAW GROUP PLLC; SEED IP LAW GROUP PLLC; ROSENMAN STEPHEN J ET AL; URVATER JULIE A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU 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

CAPITAL TERRITORY2612CAMPBELLAU ; COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION CSIRO ; COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION ; COMMW SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION

Inventor(s): (std): ANNA EL TAHCHY ; JAMES ROBERTSON PETRIE ; SURINDER PAL SINGH ; TAHCHY ANNA EL ; THOMAS VANHERCKE ; VANHERCKE THOMAS ROBERTSON ; VANHERCKE THOMAS ; SINGH SURINDER PAL ; ROBERTSON PETRIE JAMES ; PETRIE JAMES ROBERTSON ; PAL SINGH SURINDER ; LIU QING ; EL TAHCHY ANNA ; QING LIU ; SINGH SURINDER

Inventor(s): SINGH SURINDER PALAU ; VANHERCKE THOMASAU ; LIU QINGAU ; PETRIE JAMES ROBERTSONAU ; EL TAHCHY ANNAAU

Agent(s): FB RICE; FB RICE PTY LTD; SMART AND BIGGAR; CLARKE MODET AND CO CHILE LTDA; ALMOND MARTIN CAROL; COOPER AND DUNHAM LLP; GARY J; JOHN P

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: COMPOSITIONS AND METHODS FOR ENZYMATIC DECOLORIZATION OF CHLOROPHYLL

Abstract: The invention provides compositions and methods for the enzymatic treatment ("bleaching" or "de-colorizing") of chlorophyll-comprising compositions, e.g., algae preparations, chlorophyll-**containing** or chlorophyll-contaminated feeds, foods or oils, for example, vegetable oils, including oils processed from oilseeds, such as canola (rapeseed) oil or soybean oil, or oil fruits, such as palm oil. In one aspect, the invention provides methods using a chlorophyllase enzyme for the enzymatic hydrolysis of chlorophyll in an algae, an animal (e.g., a fish) or plant preparation, a food or an oil. In one aspect, the chlorophyllase is immobilized onto a silica. The invention also provides compositions of manufacture and detergents.

Classifications:**International (IPC 8-9):** A01H1/00 A01H5/00 A01K67/00

A01K67/027 A23D7/00 A23K1/00 A23K1/16 A23K1/165 A23L1/227
A23L1/27 A23L1/272 A23L5/40 A61K31/713 A61K38/44 C07G17/00
C07G99/00 C07H21/04 C07K1/00 C07K14/00 C07K16/00
C07K16/40 C07K19/00 C11B3/00 C11B3/02 C11C3/00 C11C3/04
C11D3/386 C11D7/42 C12H1/04 C12N1/15 C12N1/19 C12N1/21
C12N11/00 C12N15/00 C12N15/09 C12N15/11 C12N15/113
C12N15/55 C12N15/63 C12N15/82 C12N5/00 C12N5/02 C12N5/04
C12N5/10 C12N9/06 C12N9/12 C12N9/14 C12N9/16 C12N9/18
C12N9/90 C12P1/00 C12P7/04 C12P7/44 C12P7/62 C12P7/64
C12P9/00 C12Q1/44 C12Q1/527 C12Q1/68 C12S3/00 C12S3/18
C40B50/06 D06M16/00 G01N33/50 G01N33/53 G01N33/573

G06F19/22 (Advanced/Invention);

C12P21/08 (Advanced/Non-invention);

A01H1/00 A01H5/00 A01K67/027 A23K1/00 A23K1/16 A23K1/165

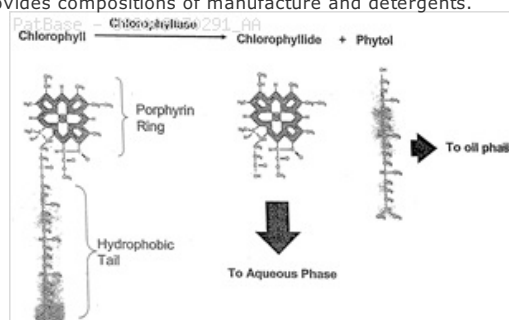
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C12N1/19 C12N1/21 C12N11/00 C12N15/09 C12N15/82 C12N5/10 C12N9/06 C12N9/18 C12N9/90 C12P7/02 C12P7/40
C12P7/62 C12P9/00 C12Q1/44 C12Q1/527 C12Q1/68 (Core/Invention);
C12P21/08 (Core/Non-invention)

International (IPC 1-7): C07H21/00 C12N9/06

CPC: C12P7/6445 C12P7/6454 C12P7/6472 C12P7/6481 C12P7/649 Y02E50/13 C12P7/6418 C12P7/6427 A23K10/14
C11B3/003 C12N9/18 C12Y301/01014 A23L5/49

European: A23K1/165B1 A23L1/277 C11B3/00C C12N9/18 C12P7/64C2 C12P7/64C4 C12P7/64E2 C12P7/64E2B
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US: 1/1 426/442 426/442S 435/134 435/142 435/142P 435/176 435/176S 435/177 435/177S 435/183 435/183S 435/195
435/252.3 435/252.300S 435/254.11 435/254.110S 435/255.1 435/255.100S 435/263 435/263S 435/267 435/267P
435/320.1 435/320.100S 435/325 435/325S 435/328 435/328S 435/348 435/348S 435/419 435/419S 435/455 435/455S
435/69.1 435/69.100S 435/7.4 435/7.400S 435/7.6 435/7.600S 435/91.2 435/91.200S 506/16 506/16S 506/18 506/18S
530/300 530/300S 530/350 530/350S 530/387.9 530/387.900S 530/402 530/402S 530/403 530/403S 536/23.6 536/23.600S
536/24.3 536/24.300S 536/24.33 536/24.330S 536/24.5 536/24.500S 536/25.4 536/25.400S 800/18 800/18S 800/306
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800/320.100S 800/320.2 800/320.200S 800/320.3 800/320.300S 800/320S

**Family:**

Publication number	Publication date	Application number	Application date
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AU2012200864 AA	20120308	AU20120200864	20120215
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CA2570872 AA	20061215	CA20052570872	20050614
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CN103173282 A	20130626	CN201310031421	20050614
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EA200700032 A1	20080829	EA20070000032	20050614
EP1791853 A2	20070606	EP20050762779	20050614
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EP1791853 B1	20140226	EP20050762779	20050614
EP2468853 A1	20120627	EP20120150400	20050614
EP2468853 B1	20150401	EP20120150400	20050614
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ES2540728 T3	20150713	ES20120150400T	20050614
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WO06009676 A2	20060126	WO2005US20866	20050614
WO06009676 A3	20090416	WO2005US20866	20050614
WO06031699 A2	20060323	WO2005US32351	20050909
WO06031699 A3	20090416	WO2005US32351	20050909

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US20040580447 20040616

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US20040609125P 20040910

AU20050264938	20050614	EP20050762779	20050614	EP20120150400	20050614
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US20110103276	20110509	AU20120200864	20120215	US20130902739	20130524
US20150615524	20150206	US20150671575	20150327	US20150966047	20151211

Probable Assignee: VERENIUM CORP

Assignee(s): (std): BARTON NELSON ; BARTON NELSON R ; BARTON NELSON ROBERT ; DIVERSA CORP ; BURK MARK J ; BURK MARK ; LAM DAVID ; WEINER DAVID ; HITCHMAN TIMOTHY ; VERENIUM CORP ; DSM IP ASSETS BV ; LYON JONATHAN

Assignee(s): DSM FOOD SPECIALTIES BV ; DSM FOOD SPECIALITIES BV ; COMERICA BANK A TEXAS BANKING ASSOCIATION ; DSM FOOD SPECIALITES BV

Inventor(s): (std): BARTON NELSON R ; BARTON NELSON ROBERT ; BURK MARK ; BURK MARK J ; DAVID LAM ; DAVID WEINER ; HITCHMAN TIM S ; HITCHMAN TIMOTHY ; LYON JONATHAN ; LYON JONATHAN D ; MARK BURK ; ROBERT BARTON NELSON ; TIMOTHY HITCHMAN ; WEINER DAVID ; LAM DAVID ; BARTON NELSON

Inventor(s): LAM DAVID SAN MARCOS ; WEINER DAVID DEL MAR ; NELSON ROBERT BARTON ; MARK J BURK ; HITCHMAN TIMOTHY SAN DIEGO ; BURK MARK J SAN DIEGO ; BARTON NELSON ROBERT SAN DIEGO

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; PHILLIPS ORMONDE FITZPATRICK; OGILVY RENAULT LLP SENCRL SRL; SMART AND BIGGAR; CAZEMIER ANNE ENGELINE; LEHMANN MARIA ISABEL; VERENIUM C O MOFO SD; BAKER DONELSON BEARMAN CALDWELL AND BERKOWITZ PC; MILES AND STOCKBRIDGE PC; MCBEE MOORE WOODWARD AND VANIK IP LLC

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: ANTI-NGF ANTIBODIES AND METHODS USING SAME

Abstract: The invention concerns anti-NGF antibodies (such as anti-NGF antagonist antibodies), and polynucleotides encoding the same. The invention further concerns use of such antibodies and/or polynucleotides in the treatment and/or prevention of pain, including post-surgical pain, rheumatoid arthritis pain, and osteoarthritis pain.

Classifications:

International (ipc 8-9): A01K67/027 A61K31/7088 A61K38/00 A61K38/18 A61K39/00 A61K39/395 A61K45/00 A61K48/00 A61P19/02 A61P25/00 A61P25/02 A61P25/04 A61P25/28 A61P29/00 A61P29/02 A61P35/00 A61P43/00 A61P7/00 A61P9/06 C07K C07K14/48 C07K16/00 C07K16/18 C07K16/22 C07K16/46 C12N1/15 C12N1/19 C12N1/21 C12N15/02 C12N15/09 C12N15/11 C12N15/13 C12N15/62 C12N15/63 C12N5/10 C12P21/00 C12P21/06 C12P21/08 (Advanced/Invention); A01K67/027 A61K38/18 A61K39/00 A61K39/395 A61P19/02 C07K14/48 C07K16/22 C12N15/09 C12P21/08 (Advanced/Non-invention); A61K31/7088 A61K39/00 A61K39/395 A61K45/00 A61P19/00 A61P25/00 A61P29/00 A61P37/00 C07K14/00 C07K16/00 C07K16/18 C07K19/00 (Core/Invention); C07K14/43 C12N15/09 (Core/Non-invention); A61K A61P C07K C12N (Subclass/Invention)

International (ipc 1-7): A01K67/027 A61K A61K0/00 A61K39/00 A61K39/395 A61K6/00 A61P19/02 A61P25/04 A61P29/00 C07K14/48 C07K16/22 C12P21/08

CPC: C07K2317/56 C07K2317/73 C07K2317/21 A61K2039/505 A61K2039/545 C07K2317/24 C07K2317/55 C07K2317/565 C07K2317/76 C07K2317/92 A61K39/395 A61K2039/54 C07K2316/96 C07K16/22

European: C07K16/22 K61K39/505 M07K316/960 M07K317/240 M07K317/550 M07K317/560 M07K317/565 M07K317/730 M07K317/920

US: 1/1 424/133.1 424/133.100P 424/142.1 424/145.1 424/145.100P 424/145.100S 424/158.1 424/158.100P 424/158.100S 435/69.7 435/69.700S 435/70.2 435/70.200S 530/387.1 530/387.100S 530/387.3 530/387.300S 530/388.1 530/388.100S 530/388.23 530/388.230S 530/388.24 530/388.240S 530/388.25 530/388.250P 530/388.250S 800/6 800/6P



Family:

Publication number	Publication date	Application number	Application date
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AR106702 AB	20180207	AR2016P103491	20161115
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WO04058184 A3	20060727	WO2003US41252	20031224
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Priority:

US20020436905P	20021224	US20030443522P	20030128	US20030510006P	20031008
CA20032511598	20031224	EP20030800170	20031224	EP20100176627	20031224
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US20170622551	20170614				

Probable Assignee: RINAT NEUROSCIENCE CORP

Assignee(s): (std): PONS JAUME ; RINAL NEUROSCIENCE CORP ; RINAT N JUROSAJENS KORP ; RINAT NEUROSCIENCE CORP ; SHELTON DAVID L ; ROSENTHAL ARNON ; WALICKE PATRICIA ANN ; SHELTON DAVID LOUIS ; PFIZER

Assignee(s): PFIZER INC ; RINAT NEUROSCIENCE CORP230 EAST GRAND AVENUESOUTH SAN FRANCISCOCA94080US ; RINAT NEUROSCIENCE CORP SOUTH SAN FRANCISCO

Inventor(s): (std): ANN WALICKE PATRICIA ; ARNON ROSENTHAL ; ARNON SHELTON DAVID L PONS JAU ; DAVID L SHELTON ; JAUME PONS ; LOO CAROLE ; PATRICIA A WALICKE ; PATRICIA ANN WALICKE ; PONS JAUME ; ROSENTHAL ARNON ; ROZENTAL ARNON ; SHELTON DAVID ; SHELTON DAVID L ; SHELTON DAVID L L ; SHELTON DAVID LOUIS ; SHELTON DEHVID L ; UOLIK PATRITSIJA EHNN ; VERGARA GERMAN ; WALICKE PATRICIA ; WALICKE PATRICIA A ; WALICKE PATRICIA ANN

Inventor(s): WALICKE PATRICIA ANN BRISBANE ; WALICKE PATRICIA ANNUS ; SHELTON DAVID LUS ; SHELTON DAVID L OAKLAND ; SHELTON DAVID L WALICKE PATRICIA A ; ROZENTAL' ARNON ; ROSENTHAL ARNON WOODSIDE ; ROSENTHAL ARNONUS ; PONS JAUME EAST PALO ALTO ; PONS JAUMEUS ; OSENTHAL ARNON

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; TORYS LLP; SMART AND BIGGAR; CLARKE; KRAUS AND WEISERT PATENTANWAELTE PARTGMBB; FORD TIMOTHY JAMES; FORD TIMOTHY JAMES ET AL; PFIZER; CARPINTERO MARIO; LUZZATTO AND LUZZATTO; REINHOLD COHN AND PARTNERS; SANFORD TCOLB AND CO; ELISAVET YAKOVIDIS CINLEMEZ; NUEKHET SERRA CORAL; PFIZER INC; PHARMACIA GLOBAL PATENT DEPARTMENT CORP; PFIZER INC PATENT DEPARTMENT; BENSON GREGG; AUCCOIN MARIE A; GREGG; MARIE A; GREGG C; SUSAN L; STEPHEN

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

Title: COMPOSITIONS AND METHODS FOR THE TREATMENT AND DIAGNOSIS OF IMMUNE DISORDERS

Abstract: The present invention relates to methods and compositions for the treatment and diagnosis of immune disorders, especially T helper lymphocyte-related disorders, and also for the treatment of mast cell-related processes and disorders, ischemic disorders and injuries, including ischemic renal disorders and injuries. For example, genes which are differentially expressed within and among T helper (TH) cells and TH cell subpopulations, which include, but are not limited to TH0, TH1 and TH2 cell subpopulations are identified. Genes are also identified via the ability of their gene products to interact with gene products involved in the differentiation, maintenance and effector function of such TH cells and TH cell subpopulations. The genes identified can be used diagnostically or as targets for therapeutic intervention. In this regard, the present invention provides methods for the identification and therapeutic use of compounds as treatments of immune disorders, especially TH cell subpopulation-related disorders. Additionally, methods are provided for the diagnostic evaluation and prognosis of TH cell subpopulation-related disorders, for the identification of subjects exhibiting a predisposition to such conditions, for monitoring patients undergoing clinical evaluation for the treatment of such disorders, and for monitoring the efficacy of compounds used in clinical trials. Methods are also provided for the treatment of symptoms associated with mast cell-related processes or disorders and ischemic disorders and injuries using the genes, gene products and antibodies of the invention.

Classifications:

International (IPC 8-9): A01K67/027 A61K31/00 A61K38/00 A61K38/17 A61K39/395 A61K39/40 A61K47/48 A61K48/00 A61K49/00 A61M1/38 A61P11/06 A61P13/12 A61P27/02 A61P29/00 A61P3/08 A61P31/04 A61P31/08 A61P33/02 A61P37/00 A61P37/02 A61P37/08 A61P9/00 A61P9/10 B60G13/00 C07H21/00 C07H21/04 C07K14/00 C07K14/47 C07K14/52 C07K14/705 C07K14/725 C07K16/00 C07K16/18 C07K16/24 C07K16/28 C07K16/40 C07K16/42 C07K16/46 C07K19/00 C12N1/21 C12N15/00 C12N15/09 C12N15/12 C12N15/57 C12N15/62 C12N15/85 C12N5/00 C12N5/10 C12N7/01 C12N9/64 C12Q1/37 C12Q1/66 C12Q1/68 G01N21/64 G01N33/15 G01N33/50 G01N33/53 G01N33/564 G01N33/566 G01N33/569 (Advanced/Invention);

A01K67/027 A61K38/00 A61K39/395 A61K48/00 (Advanced/Non-invention);

A01K67/027 A61K38/00 A61K39/395 A61K48/00 A61P29/00 A61P3/00 A61P31/00 A61P37/00 A61P9/00 C07K14/435 C07K16/18 C07K19/00 C12N1/21 C12N15/09 C12N15/85 C12N5/10 C12N7/01 C12N9/64 C12Q1/68 G01N33/15 G01N33/564 (Core/Invention)

International (IPC 1-7): A01K67/027 A61K31/00 A61K38/00 A61K38/17 A61K39/00 A61K39/395 A61K39/40 A61K39/42 A61K39/44 A61K47/48 A61K48/00 A61K49/00 A61M1/38 B60G7/02 C07H19/00 C07H21/00 C07H21/02 C07H21/04 C07K1/00 C07K14/00 C07K14/47 C07K14/52 C07K14/705 C07K16/00 C07K16/18 C07K16/24 C07K16/28 C07K16/40 C07K19/00 C12N1/21 C12N15/00 C12N15/09 C12N15/12 C12N15/57 C12N15/62 C12N5/00 C12N5/10 C12N7/01 C12N9/64 C12P21/06 C12Q1/37 C12Q1/66 C12Q1/68 F16F3/08 G01N33/15 G01N33/53 G01N33/564 G01N33/566 G01N33/569 G12Q1/66

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European: A01K67/027A3A5 A01K67/027M A01K67/027M4 B60G13/00B2 C07K14/47 C07K14/705B C07K16/28A C07K19/00 C12N15/85A C12N9/64F21S C12N9/64F22 C12Q1/68A6 K01K207/15 K01K217/05 K01K217/05A K01K217/07B K01K217/20B K01K217/30 K01K227/10M K01K227/50 K01K267/03 K01K267/03A5 K01K267/03K3 K01K267/03K4 K01K267/03K5 K01K267/03K6 K01K267/03R K61K38/00 M07K203/00 M07K203/02 M07K205/00 M07K207/00 M12N213/02 M07K215/00 M07K319/00 M07K319/00E M12N203/02 M12N205/00 M12N207/00 M12N213/02 M12N215/00 M12N485/00 M12N490/00 M12N800/30 M12N830/00

US: 267/140.2 267/220 424/130.1 424/133.1 424/134.1 424/134.100P 424/138.1 424/139.1 424/141.1 424/143.1 424/144.1 424/154.1 424/172.1 424/172.100P 424/178.1 424/183.1 424/184.1 424/185.1 424/192.1 424/192.1 424/810 424/9.1 424/9.2 435/183 435/212 435/252.3 435/252.33 435/320.1 435/325 435/41 435/6 435/6.1 435/6.100S 435/6.12 435/6.120S 435/6.18 435/6.180S 435/64.7 435/69.1 435/69.3 435/69.7 435/69.7 435/69.7 435/7.1 435/7.100S 435/7.8 435/7.92 435/7.920S 435/70.1 435/71.1 435/8 514/1.1 514/12 514/15.4 514/15.400S 514/2 514/21.2 514/21.200S 514/44 514/44.00RP 514/44.00RS 514/44R 530/300 530/350 530/387.3 530/387.300S 530/388.22 530/388.75 530/868 536/22.1 536/23.1 536/23.2 536/23.200P 536/23.200S 536/23.4 536/23.5

Family:

Publication number	Publication date	Application number	Application date
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PatBase - US2003069196_A1

Patent Application Publication Apr. 10, 2003 Sheet 1 of 47 US 2003/0069196 A1

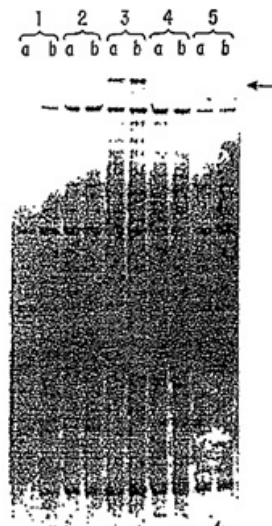


FIG. 1

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Probable Assignee: NORTEL MATRA CELLULAR

Assignee(s): (std): LEVINSON DOUGLAS ADAM ; LLOYD CLARE M ; MCCARTHY SEAN A ; MILLENNIUM PHARMACEUTICALS INC ; MILLENNIUM PHARM INC ; GEN MOTORS CORP

Assignee(s): GENERAL MOTORS CORP ; LEVINSON DOUGLAS A ; MILLENNIUM PHARMACEUTICALS INC CAMBRIDGE ; MILLENNIUM PHARMACEUTICALS INC ; NORTEL MATRA CELLULAR

Inventor(s): (std): DRENNEN DAVID B ; LEVINSON A ; LEVINSON DOUGLAS A ; LEVINSON DOUGLAS ADAM ; LLOYD CLARE M ; MCCARTHY SEAN A

Inventor(s): SEAN A MCCARTHY ; MCCARTHY SEAN ; LLOYD CLARE ; LEVINSON DOUGLAS A SHERBORN ; CLARE M LLOYD ; DOUGLAS A LEVINSON ; LEVINSON DOUGLAS

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING LAFLEUR HENDERSON LLP; BORDEN LADNER GERVAIS LLP; MARKS AND CLERK LUXEMBOURG LLP; WILLIAMS GARETH OWEN; JONES DAY; MILLENNIUM PHARMACEUTICALS INC

Designated states: AE AG 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 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

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Priority:

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Probable Assignee: VECTOR TOBACCO INC

Assignee(s): (std): ALBINO ANTHONY ; ALBINO ANTHONY P ; CONKLING MARK ; CONKLING MARK A ; COYTE RICHARD LAWRENCE ; DARZYNKIEWICZ ZBIGNIEW ; NEW YORK MEDICAL UNIV ; JIN WENDY ; NEW YORK MEDICAL UNIVERSITY ; JORGENSEN ELLEN ; VECTOR TOBACCO INC ; SULIN GREGORY ANDREW ; JORGENSEN ELLEN D ; TRAGANOS FRANK ; VECTOR TOBACCO LTD ; NEW YORK MEDICAL COLLEGE

Assignee(s): VECTOR TOBACCO (USA) LTD ; US BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS ; VIKTOR TOBACCO CO ; VECTOR TOBACCO LTD HAMILTON ; VIKTOR TOBACCO CO LTD ; VECTOR TOBACCO USA LTD ; US BANK NATIONAL ASSOCIATION ; VECTOR GROUP LTD ; NORTH CAROLINA STATE UNIV

Inventor(s): (std): CONKING MARK A ; CONKLING MARK ; CONKLING MARK A ; COYTE RICHARD LAWRENCE ; JORGENSEN ELLEN ; MARK A CONKLING ; SULIN GREGORY ANDREW ; TRAGANOS FRANK ; MARK CONKLING ; JORGENSEN ELLEN D ; JIN WENDY ; DARZYNKIEWICZ ZBIGNIEW ; ALBINO ANTHONY P ; ALBINO ANTHONY

Inventor(s): ANTHONY ALBINO ; WENDY JIN ; MARK A. CONKING ; ELLEN JORGENSEN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BALDWINS INTELLECTUAL PROPERTY; SIM AND MCBURNEY; OGILVY RENAULT LLP SENCRL SRL; JOHANSSON WEBJOERN INGEMARI; DR YITZHAK HESS AND PARTNERS; KNOBBE MARTENS OLSON AND BEAR LLP

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

Title: APPARATUS, METHODS AND PROCESSES FOR SORTING PARTICLES AND FOR PROVIDING SEX-SORTED ANIMAL SPERM

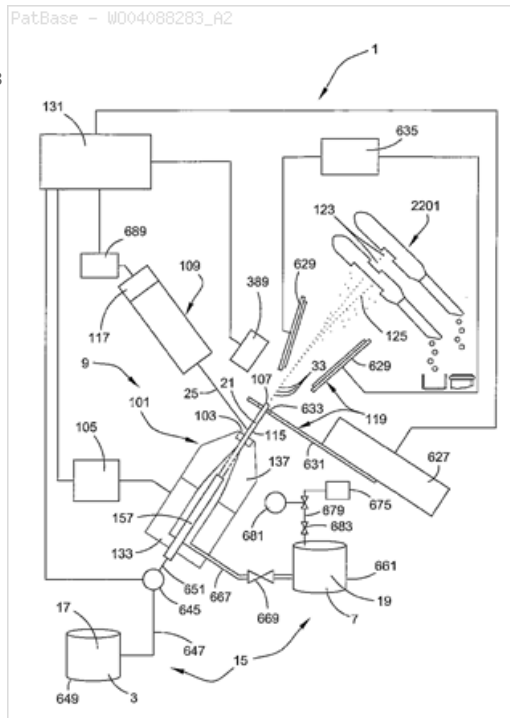
Abstract: Apparatus and methods for analyzing particles, including apparatus and methods for a sperm sorting process including: collecting sperm from an animal (30); selecting staining conditions (47A); staining the sperm with DNA selective fluorescent dye (48); sorting the sperm cells according to sex chromosome content (55); and cryopreserving a population of sorted sperm (61) until used for artificial insemination. One embodiment includes apparatus (1001) and methods for using a plurality of flow cytometry units (9) sharing an integrated platform to sort sperm cells. In one embodiment, flow cytometric sorting includes use of the following apparatus and methods: an orienting nozzle having a baffle (101); an epi-illumination optics system (109); slit scanning of localized DNA regions within cell nuclei (225); digital signal processing, including synchronous sampling of analog output signals (701), pulse waveform (497) feature extraction of an approximation of a first order derivative of a pulse waveform (497) at a point of the pulse, any of various sort strategies; and an automated sort calibration system (4201). In one embodiment, digital signal processing includes sampling analog output signals (701) at times relative to emission of pulses from an illumination laser. Other embodiments are substantially different from the foregoing, including embodiments directed to individual steps or systems that can be used for any of various applications involving particle analysis.

Classifications:

International (IPC 8-9): A01N1/02 B03C7/02 C12M1/34 C12M3/00
C12N5/071 C12N5/076 C12Q1/00 C12Q1/02 C12Q1/04 C12Q1/68
G01N1/30 G01N15/00 G01N15/10 G01N15/14 G01N21/78 G01N33/48
G01N33/483 G01N33/487 G01N33/50 (Advanced/Invention)

International (IPC 1-7): A61K35/52 C12N5/06 C12Q1/04 G01N15/00
G01N15/14 G01N33/487 G01N33/50

CPC: C12N5/0612 A01N1/0284 C12N5/06 C12N5/061 C12Q1/02 C12Q3/00 G01N15/1468 G01N15/147 G01N21/63 G01N21/6428 G01N33/48 G01N33/5005 G01N2015/0065 G01N2015/1006 G01N2015/149 G01N2021/6439 Y10T436/10 Y10T436/115831 Y10T436/12 Y10T436/25 Y10T436/2525 Y10T436/25375 Y10T436/255 Y10T436/2575



Family:

Publication number	Publication date	Application number	Application date
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AU2004225436 AA	20041014	AU20040225436	20040329
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Priority:

US20030458607P 20030328 US20030458731 20030328 US20030458731P 20030328
WQ2004US09646 20040329

Probable Assignee: INGURAN LLC

Assignee(s): (std): ANZAR MUHAMMAD ; CROWLEY KATHLEEN S ; DIDION BRADLEY ; DURACK GARY ; GRAHAM JEFFREY A ; HATCHER JEREMY T ; LUDWIG CINDY L ; HELBLING DAVID R ; MONSANTO TECHNOLOGY LLC ; WESTFALL LON A ; VANDRE GARY P ; WALLACE JEFFREY D ; NAYAK NIRAJ V ; INGURAN LLC

Assignee(s): ICYT VISIONARY BIOSCIENCE INC

Inventor(s): (std): ANZAR MUHAMMAD ; CROWLEY KATHLEEN ; CROWLEY KATHLEEN S ; DIDION BRADLEY ; DURACK GARY ; GRAHAM JEFFREY ; GRAHAM JEFFREY A ; HATCHER JEREMY ; HATCHER JEREMY T ; HELBLING DAVID ; HELBLING DAVID R ; LUDWIG CINDY ; LUDWIG CINDY L ; NAYAK NIRAJ ; NAYAK NIRAJ V ; VANDRE GARY ; VANDRE GARY P ; WALLACE JEFFREY ; WALLACE JEFFREY D ; WESTFALL LON ;

WESTFALL LON A

Inventor(s): NIRAJ V NAYAK ; NIRAJ V NAYAK A US CITIZEN ; MUHAMMAD ANZAR ; MUHAMMAD ANZAR A CANADIAN CITIZEN ; JEANNET A GLAENZER ; JEFFREY A GRAHAM ; JEFFREY D WALLACE ; JEREMY T HATCHER ; KATHLEEN S CROWLEY ; LON A WESTFALL ; GARY DURACK ; GARY P VANDRE ; DAVID R HELBLING ; BRADLEY DIDION ; CINDY L LUDWIG

Agent(s): E F WELLINGTON AND CO; HOULIHAN² PTY LTD; EF WELLINGTON AND CO; MCFADDEN FINCHAM; OSLER HOSKIN AND HARCOURT LLP; KADOR AND PARTNER

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: VAPOR STERILIZATION USING INORGANIC HYDROGEN PEROXIDE COMPLEXES

Abstract: An apparatus and process for hydrogen peroxide vapor sterilization of medical instruments and similar devices make use of hydrogen peroxide vapor released from an inorganic hydrogen peroxide complex. The peroxide vapor can be released at room temperature and atmospheric pressure; however, the pressure used can be less than 50 torr and the temperature greater than 86 DEG C. to facilitate the release of hydrogen peroxide vapor. The heating rate can be greater than 5 DEG C. Optionally, a plasma can be used in conjunction with the vapor.

Classifications:

International (IPC 8-9): A01N25/00 A01N59/00 A01N61/00 A61L2/00

A61L2/04 A61L2/06 A61L2/10 A61L2/14 A61L2/16 A61L2/18
A61L2/20 A61L2/23 A61L2/24 A61L2/26 A61L9/00 B01J7/00
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C08L29/00 C08L31/00 C08L33/00 C08L5/04
C08L67/00 (Advanced/Invention);

A61L2/16 A61L2/20 A61L9/00 B01J7/00 B65D65/38 B65D65/40
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A01N25/00 A01N59/00 A01N61/00 A61L2/00 A61L2/02 A61L2/16
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C08B3/00 C08B37/00 C08B5/00 C08F8/00

C08G85/00 (Core/Invention);

A61L2/20 C07C229/00 C07C233/00 C07C275/00 (Core/Non-invention);

A61L (Subclass/Invention)

International (IPC 1-7): //A61L101:22 A01N25/00 A01N59/00 A61L2/00 A61L2/04 A61L2/06 A61L2/10 A61L2/14 A61L2/16
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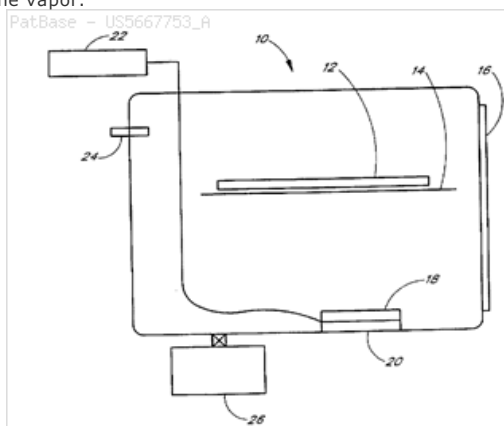
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Y10T428/1355 Y10T428/1359 Y10T428/1376 Y10T428/1379 Y10T428/1383 A61L2/20 A61L2/10

European: A01N59/00 A61L2/14 A61L2/20 A61L2/20H A61L2/26 C01B15/01 C01B15/03 C01B15/037 C01B15/06 C01B15/08
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525/387 525/61 525/920 536/59 536/69 548/335.5 548/339.1 548/519 548/543 560/264 562/575 564/153 564/215 564/38
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**Family:**

Publication number	Publication date	Application number	Application date
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AT317705 E	20060315	AT19960936565T	19961023
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Priority:

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Probable Assignee: JOHNSON AND JOHNSON MEDICAL INC

Assignee(s): (std): DZHONSON EHND DZHONSON MEDIKAL ; DZHONSON EHND DZHONSON MEDIKAL INK ; EHTIKON INK ; ETHICON INC ; ETHICON INC was KNOWN AS.. ; JOHNSON AND JOHNSON MEDICAL ; JOHNSON AND JOHNSON ; ADVANCED STERILIZATION PRODUCT

Assignee(s): ADVANCED STERILIZATION PRODUCTS ; CHEN XIAOLAN ; LIN SZU MIN ; SWANZY JAMES ARCHIE ; WILLIAMS HAROLD R ; SPENCER ROBERT M ; KENDALL RICHARD JED ; JACOBS PAUL TAYLOR ; JACOBS PAUL T ; HAHS MICHAEL ; HAHS MICHEAL ; JOHNSON AND JOHNSON MEDICAL INC US ; ETHICON INC was KNOWN AS JOHNSON AND JOHNSON MEDICAL INC.. ; JOHNSON AND JOHNSON MEDICAL INC

Inventor(s): (std): CHEN KSIAOLAN ; CHEN XIAOLAN ; CHEN XIZOLAN ; CHEN XLAOLAN ; DZHAKOBS POL TEJLOR ; HAHS MICHAEL ; HAHS MICHEAL ; JIEEMUZU AACHII SUWANZUI ; KENDALL JED ; KENDALL RICHARD JED ; LIN S M ; LING S M ; POORU TAIRAA JIEIKOBUSU ; POORU TEIRAA JIYAKOBUSU ; SCHWOCHE J A ; SCHWONCHE J A ; SHIYAORAN CHIEN ; SPENCER M ; SPENCER ROBERT M ; SUZUUMIN RIN ; SVEHNZI DZHEJMS ARCHI ; SWANZY J A ; SZU MIN LIN ; TSUU MIN RIN ; JACOBS P T ; JACOBS PAUL T ; JACOBS T ; JACOBS TAYLOR ; JAKOBOOS P T ; JAKOBS POL TEJLOR ; WILLIAMS HAROLD R ; WILLIAMS R ; SWANZY JAMES ARCHIE ; LIN SZU MIN ; JACOBS PAUL TAYLOR ; POL TEJLOR DZHAKOBS ; DZHEJMS ARCHI SVEHNZI

Inventor(s): LIN SZU-MIN ; DZHEJMS ARCHI SVEHNZI[US] ; SZU-MIN LIN[US] ; POL TEJLOR DZHAKOBS[US] ; XIAOLAN CHEN ; ZIAOLAN CHEN ; JAMES ARCHIE SWANZY ; WILLIAMS HAROLD R ; RICHARD JED KENDALL ; ROBERT M SPENCER ; S M LING ; S M LIN ; S M LING ; MICHAEL HAHS ; MICHEAL HAHS ; P T JACOBS ; P T JAKOBOOS ; PAUL T JACOBS ; PAUL TAYLOR JACOBS ; HAROLD R WILLIAMS ; J A SCHWOCHE ; J A SCHWONCHE ; J A SWANZY ; JACOB SZU MIN LIN

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT LLP SENCRL SRL; MERCER CHRISTOPHER PAUL ET AL

Designated states: AT AU BE BR CA CH DE DK ES FI FR GB GR IE IT JP KR LI LU MC MX NL NO PT SE SG

Title: NEUREGULINS AS MODULATORS OF CELLULAR COMMUNICATION

Abstract: The present invention relates to methods of affecting cellular communication in a vertebrate. The communication is affected by the administration of a neuregulin to a vertebrate, where the neuregulin interacts with a first cell type which results in the production of a product (i.e., Product A). This product, in turn, affects the function of a second cell type. Methods are disclosed in which the affect in function of the second cell type, described above, results in the production of a second product (i.e., Product B) which, in turn, can affect the function of the first cell type or a third cell type. Additional methods are included for treatment of disorders involving an altered or inadequate level of production of a product involved in cellular communication.

Classifications:

International (IPC 8-9): A61K31/70 A61K35/12 A61K35/30 A61K38/00 A61K38/04 A61K38/16 A61K38/17 A61K38/18 A61K38/22 A61K38/46 A61K38/55 A61K39/395 A61K45/00 A61K48/00 A61P17/00 A61P19/00 A61P21/00 A61P21/04 A61P25/00 A61P25/02 A61P25/28 A61P35/00 A61P37/00 A61P43/00 A61P9/00 A61P9/10 C07H21/04 C07K1/00 C07K1/16 C07K1/20 C07K1/22 C07K14/00 C07K14/46 C07K14/47 C07K14/475 C07K14/52 C07K14/82 C07K16/00 C07K16/18 C07K16/22 C07K16/24 C07K2/00 C07K21/04 C07K7/06 C07K7/08 C12N1/21 C12N15/02 C12N15/09 C12N15/12 C12N15/18 C12N15/19 C12N15/63 C12N15/64 C12N5/00 C12N5/10 C12P21/00 C12P21/02 C12P21/08 C12Q1/00 C12Q1/02 C12Q1/68 G01N33/53 G01N33/566 G01N33/577 (Advanced/Invention); A61K35/30 A61K38/00 A61K38/16 A61K38/22 A61K38/27 A61K38/55 A61K39/395 A61P17/00 A61P21/00 A61P25/00 A61P35/00 A61P37/00 A61P43/00 C07H21/04 C07K1/00 C07K14/00 C07K16/00 C07K16/18 C12N1/21 C12N15/02 C12N15/09 C12N15/12 C12N5/10 C12P21/00 C12P21/02 C12P21/04 C12P21/08 C12Q1/68 C12R1/19 C12R1/91 G01N33/53 G01N33/566 (Advanced/Non-invention); A61K35/30 A61K38/00 A61K38/18 A61K38/22 A61K38/43 A61K38/55 A61K39/395 A61P21/00 A61P25/00 A61P35/00 A61P37/00 C07K14/435 C07K14/82 C07K16/18 C12N15/09 C12N15/12 C12N15/63 C12N5/10 C12P21/02 C12P21/08 G01N33/566 (Core/Invention); A61K38/00 (Core/Non-invention); A61K C12N (Subclass/Invention)

International (IPC 1-7): A01N37/18 A61K A61K31/70 A61K35/12 A61K35/30 A61K37/00 A61K37/02 A61K37/10 A61K37/36 A61K38/00 A61K38/02 A61K38/16 A61K38/17 A61K38/18 A61K38/22 A61K38/27 A61K38/46 A61K38/55 A61K39/00 A61K39/35 A61K39/395 A61K45/00 A61K48/00 A61P19/00 A61P21/00 A61P21/04 A61P25/00 A61P35/00 A61P9/00 A61P9/10 C07H21/04 C07K1/00 C07K1/16 C07K1/18 C07K1/22 C07K1/36 C07K13/00 C07K14/00 C07K14/46 C07K14/47 C07K14/475 C07K14/48 C07K14/52 C07K15/00 C07K15/06 C07K15/12 C07K16/00 C07K16/18 C07K16/22 C07K16/24 C07K17/00 C07K2/00 C07K3/12 C07K3/14 C07K3/20 C07K7/06 C07K7/08 C07K7/10 C07K9/00 C12N C12N1/21 C12N15/00 C12N15/02 C12N15/09 C12N15/11 C12N15/12 C12N15/18 C12N15/19 C12N15/63 C12N15/64 C12N5/00 C12N5/10 C12P21/00 C12P21/02 C12P21/04 C12P21/06 C12P21/08 C12Q1/00 C12Q1/02 C12Q1/68 G01N33/53 G01N33/566 G01N33/577 G01N33/68

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European: A61K38/18 C07K14/475B C07K14/47A1B C07K14/82 C07K16/22 K61K38/00 M07K203/00 M07K205/00 M07K207/00 M07K215/00 M12N799/02A66

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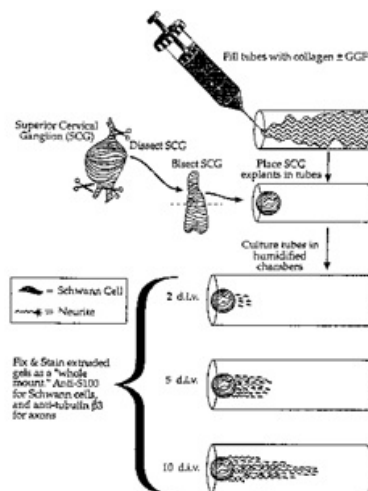
Family:

Publication number	Publication date	Application number	Application date
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PatBase - US2003040465_AA

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Figure 1



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Probable Assignee: ACORDA THERAPEUTICS INC

Assignee(s): (std): ACORDA THERAPEUTICS INC ; BIRMINGHAM MCDONOGH OLIVIA ; CAMBRIDGE NEUROSCIENCE ; CAMBRIDGE NEUROSCIENCE CAMBRID ; CAMBRIDGE NEUROSCIENCE INC ; CAMBRIDGE NEUROSCIENCE RES ; CAMBRIDGE NEUROSCIENCE RESEARC ; CAMBRIDGE NEUROSCIENCE RES INC ; CHEN MARIO SU ; CENES PHARMACEUTICALS INC ; LUDWIG INST CANCER RES ; MAHANTHAPPA NAGESH K ; MARCHIONNI MARK A ; GOLDIN STANLEY M ; LUDWIN INST FOR CANCER RESEAECH ; GOODEARL ANDREW ; MARCHIONI MARK ; HILES IAN ; MARCHIONNI MARK ; GWYNNE DAVID I ; LUDWIG INSTITUTE FOR CANCER RESEARCH AND CAMBRIDGE ; LUDWIG INSTITUTE FOR CANCER RESEARCH ; LUDWIG INST FOR CANCER RESEARCH ; LUDWIG INST FOR CANCER RES PAD ; LUDWIG INST FOR CANCER RES NEW ; MCBURNEY ROBERT N ; STROOBANT PAUL ; MINGHETTI LUISA ; WATERFIELD MICHAEL ; SKLAR ROBERT

Assignee(s): THE LUDWIG INSTITUTE FOR CANCER RESEARCH ; WATERFIELD MICHAEL D ; NEURONEX INC ; LUDWIG INST OF CANCER RESEARCH ; LUDWIG INSTITUTE FOR CANCER RESEARCH AND CAMBRIDGE NEUROSCIENCE ; LUDWIG INSTITUTE FOR CANCER RESEARCH AND CAMBRIDGE NEUROSCIENCE INC ; GOODEARL ANDREW D J ; GOODEARL ANDREW DAVID ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; LUDWIG INST FOR CANCER RESEARCH AND CAMBRIDGE NEUROSCIENCE INC ; LUDWIG INST FOR CANCER RESEARCH AND CAMBRIDGE NEUROSCIENCE ; LUDWIG INSTITUTE FOR CANCER RESEARCH NEW YORK ; ACORDA THERAPEUTIC INC ; LUDWIG INSTITUT FOR CANCER RESEARCH PADINGTON ; LUDWIG INST ; HITACHI LTD ; LUDWIN INST FOR CANCER RESEAECH ; LUDWIN INSTITUTE FOR CANCER RESEAECH ; CAMBRIDGE NEUROSCIENCE ONE KENDALL SQUARECAMBRIDGE ; CAMBRIDGE NEUROSCIENCE ONE KENDALL SQUARE CAMBRIDG ; CAMBRIDGE NEUROSCIENCE LNC ONE KENDALL SQUARE BLDG ; CAMBRIDGE NEUROSCIENCE LNC ; CAMBRIDGE NEUROSCIENCE RESEARCH INC ; CAMBRIDGE NEUROSCIENCE CAMBRIDGE ; CHEN MAIO S ; CHEN MAIO SU ; CIVITAS THERAPEUTICS INC

Inventor(s): (std): CHEN MARIO S ; CHEN MARIO SU ; DAVID I GWYNNE ; DR LUISA MINGHETTI ; GOLDIN STANLEY M ; GOODEARL ANDREW ; GOODEARL ANDREW D J ; GOODEARL ANDREW DAVID ; GOODEARL ANDREW DAVID JOHN ; GWYNNE DAVID I ; HILES IAN ; IAN HILES ; LUISA MINGHETTI ; LUISA MINGHETTI DR ; MAHANTHAPPA NAGESH K ; MAIO CHEN ; MAIO SU CHEN ; MARCHIONI MARK ; MARCHIONNI ANDREW ; MARCHIONNI MARK ; MARCHIONNI MARK A ; MARCHIONNI MARK ANDREW ; MARK A MARCHIONNI ; MARK ANDREW MARCHIONNI ; MARK MARCHIONI ; MARK MARCHIONNI ; MCBURNEY ROBERT N ; MICHAEL DEREK WATERFIELD ; MICHAEL WATERFIELD ; MINGETTI LUISA ; MINGHETTI LUISA ; MINGHETTI LUISA DR ; NAGESH K MAHANTHAPPA ; OLIVIA BIRMINGHAM MCDONOGH ; PAUL STROOBANT ; ROBERT N MCBURNEY ; ROBERT SKLAR ; SKLAR ROBERT ; STANLEY M GOLDIN ; STROOBANT PAUL ; WATERFIELD MICHAEL ; WATERFIELD MICHAEL D ; WATERFIELD MICHAEL DEREK ; ANDREW DAVID GOODEARL ; ANDREW DAVID JOHN GOODEARL ; ANDREW GOODEARL ; BIRMINGHAM MCDONOGH OLIVIA ; CHEN MAIO SU ; WATERFIELD DEREK ; GOODEARL DAVID ; CHEN SU ; MARCHIONNII MARK ; GWYNNE I

Inventor(s): CHEN MARIO ; CHEN MAIO ; CHEN MAIO S

Agent(s): GRIFFITH HACK ; DAVIES COLLISON CAVE ; DAVIES COLLISON CAVE PTY LTD ; CALLINANS ; FISHER ADAMS KELLY CALLINANS ; OGILVY RENAULT LLP SENCRL SRL ; SMART AND BIGGAR ; KLAUBER AND JACKSON ; KLAUBER AND JACKSON LLC ; KRISTINA ; CLARK AND ELBING LLP ; FULBRIGHT AND JAWORSKI LLP

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

Title: PROGRAMMABLE LIQUID **CONTAINERS**

Abstract: The invention relates to liquid **containers** comprising a plurality of sealed additive chambers in communication with a vessel fillable with a liquid. The additive chambers comprise independently selected additives that may be added to a liquid in the **container** at the option of the user. The user can manually open the additive chambers of their choice and release the additive into a liquid in the vessel without destroying the integrity of the **container**. In this manner, the liquid **containers** are programmable by the users and various aspects of the liquid in the **container**, such as color and/or flavor, is controlled by the user.

Classifications:

International (IPC 8-9): A21C14/00 A21D10/02 A23C13/12 A23F3/14 A23F5/00 A23L1/221 A23L1/30 A23L2/40 A61J3/00 B65B29/02 B65D23/12 B65D25/02 B65D25/08 B65D25/20 B65D77/08 B65D81/24 B65D81/26 B65D81/28 B65D81/32 B65D85/00 B65D85/72 B65D85/76 C11B5/00 (Advanced/Invention); A23L1/03 A23L2/52 (Advanced/Non-invention); A21C14/00 A21D10/00 A23C13/00 A23F3/06 A23F5/00 A23L1/221 A23L1/30 A23L2/40 A61J3/00 B65B29/00 B65D25/02 B65D25/20 B65D77/00 B65D81/26 B65D81/32 B65D85/00 B65D85/72 C11B5/00 (Core/Invention)

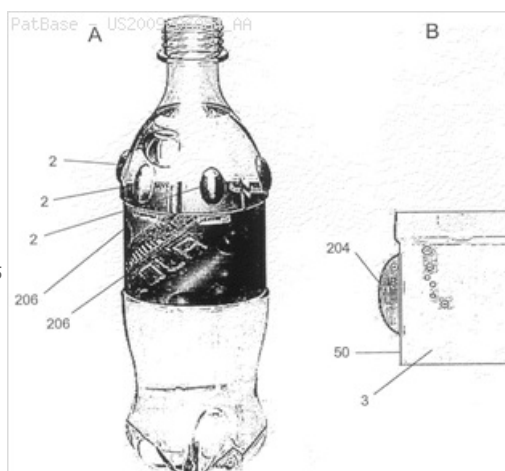
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US: 156/145 156/145S 206/0.5 206/213.1 206/219 206/221 206/222 220/500 426/541 426/541S 426/586 426/586S 426/591 426/591S 426/594 426/594S 426/597 426/597S 426/648 426/648S 426/650 426/650S

Locarno class: 20/65

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: IPIFINI INC

Assignee(s): (std): IPIFINI ; IPIFINI INC ; MARKS ANDREW S ; WOOLF TOD M ; WACHLER GLENN ; WOOLF SCOTT

Assignee(s): IPIFINI INC SUDBURY

Inventor(s): (std): GLENN WACHLER ; MARKS ANDREW S ; SCOTT WOOLF ; WACHLER GLENN ; WOOLF SCOTT ; WOOLF TOD M ; WOOLF TOD ; MARKS ANDREW

Inventor(s): WOOLF TOD M SUDBURY ; ANDREW S MARKS ; WOOLF SCOTT WEST BLOOMFIELD ; WACHLER GLENN BOCA RATON ; TOD M WOOLF ; MARKS ANDREW S WAYLAND

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; GOWLING LAFLEUR HENDERSON LLP; WINTER BRANDL FUERNISS HUEBNER ROESS KAISER POLTE PARTNERSCHAFT MBB; MATHYS AND SQUIRE; MATHYS AND SQUIRE LLP; LAHIVE AND COCKFIELD LLP FLOOR 30 SUITE 3000

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

Title: PHOSPHOLIPASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM

Abstract: The invention provides novel polypeptides having phospholipase activity, including, e.g., phospholipase A, B, C and D activity, patatin activity, lipid acyl hydrolase (LAH) activity, nucleic acids encoding them and antibodies that bind to them. Industrial methods, e.g., oil degumming, and products comprising use of these phospholipases are also provided.

Classifications:

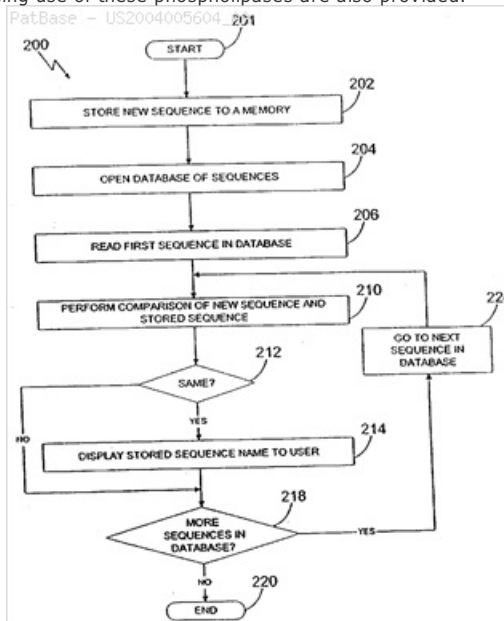
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International (IPC 1-7): A01H1/00 A01H5/00 A01K67/027 A61K31/7088 A61K38/46 C07H21/00 C07H21/04 C07K14/00 C07K16/40 C07K17/00 C07K19/00 C07K7/00 C12N C12N1/15 C12N1/19 C12N1/21 C12N11/00 C12N15/00 C12N15/09 C12N15/55 C12N15/82 C12N5/04 C12N5/10 C12N9/16 C12N9/18 C12N9/20 C12P19/34 C12P21/00 C12P21/08 C12P33/00 C12P7/02 C12Q1/02 C12Q1/34 C12Q1/44 C12Q1/68 G01N33/48 G01N33/50 G01N33/53 G01N33/573 G01N37/00 G06F19/00

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European: C12N15/82C4 C12N15/82C4B4 C12N9/16 C12N9/18 C12N9/20 C12P7/64C2 C12P7/64E2 C12P7/64E2H K01K217/05 M07K319/00 M07K319/00E M12N203/00 M12N205/00 M12N213/02 Y02E50/13

US: 424/94.6 424/94.600P 435/134 435/134P 435/134S 435/174 435/174S 435/176S 435/18 435/180 435/180S 435/184 435/184S 435/19 435/196 435/196S 435/197 435/198 435/198S 435/19S 435/252.3 435/252.300S 435/252.31 435/252.310S 435/252.35 435/252.350S 435/254.11 435/254.110S 435/254.2 435/254.200S 435/254.21 435/254.210S 435/254.23 435/254.230S 435/262 435/262S 435/264 435/264S 435/267 435/267S 435/270 435/270S 435/271 435/271S 435/280 435/280S 435/281 435/281S 435/320.1 435/320.100S 435/325 435/325S 435/331 435/331S 435/348 435/348S 435/354 435/354S 435/358 435/358S 435/365 435/365S 435/366 435/366S 435/375 435/375S 435/419 435/419S 435/468 435/468S 435/6 435/6.14 435/6.140P 435/6.16 435/6.160S 435/69.1 435/69.100S 435/6P 435/6S 435/7.4 435/7.400S 435/91.1 435/91.100S 435/91.2 435/91.200S 506/18 506/18S 506/26 506/26S 510/392 510/392S 514/1.1 514/1.100S 514/12 514/44 514/44.00AS 514/44.00RS 514/44A 514/44R 530/387.3 530/387.300S 530/387.9 530/387.900S 536/23.1 536/23.100S 536/23.2 536/23.200S 536/24.3 536/24.300S 536/24.31 536/24.310S 536/24.33 536/24.330S 536/24.5 536/24.500S 554/1 554/1S 702/19 702/19S 702/2 702/20 702/20S 800/15 800/15S 800/16 800/16S 800/17 800/17S 800/18 800/18S 800/278 800/278S 800/281 800/281P 800/298 800/298S 800/306 800/306S 800/312 800/312S 800/314 800/314S 800/317.2 800/317.200S 800/317.3 800/317.300S 800/317.4 800/317.400S 800/320 800/320.1 800/320.100S 800/320.2 800/320.200S 800/320.3 800/320.300S 800/320S 800/322 800/322S



Family:

Publication number	Publication date	Application number	Application date
AU2003243157 AA	20031103	AU20030243157	20030421
AU2003243157 BB	20080320	AU20030243157	20030421
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AU2008201667 AA	20080501	AU20080201667	20080415
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EP3190182 A1	20170712	EP20160184319	20050308
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ES2601431 T3	20170215	ES20050727242T	20050308

HU030573 T2	20170529	HU20050727242T	20050308
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Priority:

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Probable Assignee: DSM IP ASSETS BV

Assignee(s): (std):	DIVERSA CORP ; GRAMATIKOVA SVETLANA ; HAZLEWOOD GEOFF ; LAM DAVID ; ROBERTSON DAN E ; LI JINCAI ; KREPS JOEL A ; FIELDING RODERICK ; JANSSEN GISELLE ; ISAAC CHARLES ; DSM IP ASSETS BV ; BADILLO ADRIAN ; BARTON NELSON ; BARTON NELSON R ; BROWN ROBERT C ; BURK MARK J ; FIELDING RODERICK JAMES ; STURGIS BLAKE G ; VASAVADA AMIT ; TAN XUQIU ; VAN HOEK WILHELMUS P ; VERENIUM CORP
Assignee(s):	COMERICA BANK A TEXAS BANKING ASSOCIATION ; DSM FOOD SPECIALITES BV ; DSM FOOD SPECIALTIES BV
Inventor(s): (std):	ADRIAN BADILLO ; AMIT VASAVADA ; BADILLO ANDRIAN ; BARTON NELSON ; BARTON NELSON R ; BLAKE G STURGIS ; CHARLES ISAAC ; DAN E ROBERTSON ; DAVID LAM ; HOEK WILHELMUS P VAN ; JINCAI LI ; JOEL A KREPS ; GEOFF HAZLEWOOD ; GISELLE JANSSEN ; GRAMATIKOVA SVETLANA ; HAZELWOOD GEOFF ; HAZLEWOOD GEOFF ; LAM DAVID ; LAM DAVID E ; ROBERT C BROWN ; RODERICK FIELDING ; SVETLANA GRAMATIKOVA ; WILHELMUS P VAN HOEK ; XUQIU TAN ; VASAVADA AMIT ; VAN HOEK WILHELMUS P ; TAN XUQIU ; STURGIS BLAKE G ; ROBERTSON DAN E ; LI JINCAI ; KREPS JOEL A ; JANSSEN GISELLE ; ISAAC CHARLES ; FIELDING RODERICK ; BURK MARK J ; BROWN ROBERT C ; BADILLO ADRIAN ; MARK J BURK ; NELSON BARTON ; NELSON R BARTON ; HAZLEWOOD JEOFF ; FIELDING RODERICK JAMES ; CHARLES SAAC
Inventor(s):	GRAMTIKOVA SVETLANA ; SAAC CHARLES ; ORITA NOBUHIRO KURITA WATER IND LTD ; TAN XUQIN ; STURGIS BLAKE ; ROBERTSON DAN ; KREPS JOEL ; LAM DAVID SAN ELIJO HILLS ; HAZLEWOOD GEOFF SAN DIEGO ; GRAMATIKOVA SVETLANA SAN DIEGO ; HAYAKAWA KUNIHIRO KURITA WATER IND LTD ; HAZELWOOD ; KAWAKATSU TAKAHIRO KURITA WATER IND LTD ; KAWAKATSU TAKAHIRO ORITA NOBUHIRO HAYAKAWA ; GEOFF HAZELWOOD ; BARTON NELSON SAN DIEGO ; BARTON ROBERT NELSON
Agent(s):	FREEHILLS PATENT AND TRADE MARK ATTORNEYS; PHILLIPS ORMONDE FITZPATRICK; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; FPA PATENT ATTORNEYS PTY LTD; OGILVY RENAULT LLP SENCRL SRL; SMART AND BIGGAR; MBM INTELLECTUAL PROPERTY LAW LLP; CAZEMIER ANNE ENGELINE; WAKERLEY HELEN RACHAEL; LEHMANN MARIA ISABEL; MORRISON AND FOERSTER LLP; VERENIUM C O MOFO SD; LYNN M; VERENIUM CORP; EINHORN GREGORY P
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 SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Abstract: The present invention relates generally to the field of molecular biology and concerns increasing the tocopherol content of a plant relative to a control plant, comprising expressing in a plant at least one polynucleotide encoding a delta-12-desaturase, at least one polynucleotide encoding a delta-6-desaturase, at least one polynucleotide encoding a delta-6-elongase, and at least one polynucleotide encoding a delta-5-desaturase. The present invention also relates to methods for the manufacture of oil, fatty acid- or lipids-containing compositions, and to such oils and lipids as such.

International (AFC 8-9): A01H1/00 A01H1/02 A01H5/00 A01H5/10 A23D7/02 A23D9/00 A23D9/02 A23K10/30 A23K20/158 A23L31/00 A23L33/105 A23L33/12 C11B1/10 C11C3/00 C12N15/09 C12N15/11 C12N15/82 C12N9/00 C12N9/02 C12N9/04 C12N9/10 C12P7/64 C12Q1/26 C12Q1/48 C12Q1/68 (Advanced/Invention)

CPC: C12Y602/01003 C12Y114/19003 C12N9/0071 C12N9/93 C12Y114/19 C12N15/8247 A23K20/158 A23D7/02 A23L33/12

Metabolic map of the glyoxylate shunt in *E. coli*. The map shows the conversion of isocitrate to α -ketoglutarate via isocitrate lyase (ICL) and then to succinyl-CoA via α -ketoglutarate lyase (AKG). Succinyl-CoA enters the TCA cycle. The map also shows the conversion of isocitrate to α -ketoglutarate via isocitrate dehydrogenase (ICDH) and then to succinyl-CoA via α -ketoglutarate lyase (AKG). Succinyl-CoA enters the TCA cycle. The map also shows the conversion of isocitrate to α -ketoglutarate via isocitrate dehydrogenase (ICDH) and then to succinyl-CoA via α -ketoglutarate lyase (AKG). Succinyl-CoA enters the TCA cycle.

Publication number	Publication date	Application number	Application date
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WO16075310 A1	20160519	WO2015EP76605	20151113

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Priority:

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Probable Assignee: BASF SE

Assignee(s): (std): BASF SE ; BASF PLANT SCIENCE GMBH ; BIORIGINAL FOOD AND SCIENCE CORP ; BASF PLANT SCIENCE CO GMBH

Assignee(s): BAUER JOERG ; BASF PLANT SCIENCE LP ; ANDRE CARL ; BREAZEALE STEVEN ; HAERTEL HEIKO A ; BAUER JORG ; BREMMER STEVEN ; LINDBERG YILMAZ JENNY ; KUNZE IRENE ; HAERTEL HEIKO ; MCELVER JOHN ; SENGGER TORALF ; VRINTEN PATRICIA ; MARTY LAURENT ; STYMNE STEN ; REIN DIETRICH

Inventor(s): (std): ANDRE CARL ; BAUER JOERG ; BREAZEALE STEVEN ; BREMMER STEVEN ; BAUER JORG ; CARL ANDRE ; HAERTEL HEIKO ; HAERTEL HEIKO A ; STYMNE STEN ; MCELVER JOHN ; KUNZE IRENE ; VRINTEN PATRICIA ; LINDBERG YILMAZ JENNY ; SENGGER TORALF ; MARTY LAURENT ; REIN DIETRICH

Inventor(s): TORALF SENGGER ; STEVEN BREAZEALE ; STEVEN BREMMER ; PATRICIA VRINTEN ; LAURENT MARTY ; STEN STYMNE ; DIETRICH REIN ; HEIKO A HAERTEL ; IRENE KUNZE ; JOERG BAUER ; JENNY LINDBERG YILMAZ ; JOHN MCELVER

Agent(s): GRIFFITH HACK ; WATERMARK INTELLECTUAL PROPERTY PTY LTD ; ROBIC ; ESTUDIO CAREY LTDA ; HERZOG FIESSER AND PARTNER PATENTANWAELTE PARTG MBB ; BASF IP ASSOCIATION ; ADOLF MARTUA PANGGABEAN MAROLITA SETIATI ; MAROLITA SETIATI ; HIRAKI AND ASSOCIATES ; POPP ANDREAS

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: METHOD FOR THE PREVENTION OR REDUCTION OF HAZE IN BEVERAGES

Abstract: The invention relates to a method for the prevention or reduction of haze in a beverage by the addition of an prolyl-specific endoprotease and to new beverages obtainable by the method according to the invention. It also relates to new endoproteases. Sequence information of a genomic DNA, cDNA as well as protein sequences.

Classifications:

International (ipc 8-9): A23C9/12 A23C9/152 A23J3/00 A23J3/08 A23J3/16 A23J3/18 A23J3/30 A23J3/34 A23K1/16 A23K1/165 A23K20/147 A23L1/29 A23L1/305 A23L2/02 A23L2/38 A23L2/52 A23L2/66 A23L2/70 A23L2/84 A61K38/01 C07H21/04 C07K1/12 C07K16/40 C07K19/00 C07K4/10 C07K4/12 C07K5/08 C07K5/10 C07K7/00 C12C11/11 C12C5/02 C12C7/14 C12C7/26 C12G1/00 C12G3/00 C12H1/00 C12H1/14 C12H1/15 C12N1/00 C12N1/14 C12N1/15 C12N1/16 C12N1/19 C12N1/20 C12N1/21 C12N15/00 C12N15/09 C12N15/10 C12N15/52 C12N15/57 C12N15/63 C12N15/80 C12N5/10 C12N9/48 C12N9/50 C12N9/52 C12N9/58 C12N9/62 C12P21/00 C12P21/02 C12P21/06 C12Q1/04 C12Q1/37 C12Q1/68 C12R1/685 G01N33/569 G01N33/573

G06F15/00 (Advanced/Invention); A23J3/00 A23J3/30 A23J3/34 C12N9/48 C12N9/60 C12N9/62 C12R C12R1/685 (Advanced/Non-invention); A23C9/152 A23J3/00 A23J3/34 A23K1/16 A23K1/165 A23L1/29 A23L1/305 A23L2/02 A23L2/38 A23L2/52 A23L2/70 A61K38/01 C07K1/00 C07K16/40 C07K4/00 C07K5/00 C07K7/00 C12C11/00 C12C5/00 C12C7/00 C12G1/00 C12G3/00 C12H1/00 C12H1/14 C12N1/15 C12N1/19 C12N1/20 C12N1/21 C12N15/09 C12N15/57 C12N15/63 C12N5/10 C12N9/48 C12N9/50 C12N9/62 C12P21/06 C12Q1/37 G01N33/569 G01N33/573 (Core/Invention); A23J A23K C12N (Subclass/Invention)

International (ipc 1-7): A23C9/152 A23J A23J3/16 A23J3/20 A23J3/34 A23K A23K1/16 A23L1/305 A23L2/02 A23L2/38 A23L2/52 A23L2/66 A23L2/70 A23L2/84 A61K38/00 C07H21/04 C07K16/40 C07K4/10 C07K4/12 C07K5/08 C07K5/10 C07K7/00 C12C5/02 C12C7/14 C12C7/26 C12G1/00 C12H1/00 C12H1/14 C12H1/15 C12N C12N1/14 C12N1/15 C12N1/16 C12N1/19 C12N1/20 C12N1/21 C12N15/09 C12N15/57 C12N15/63 C12N15/74 C12N5/10 C12N9/00 C12N9/48 C12N9/50 C12N9/58 C12N9/62 C12N9/64 C12P21/00 C12P21/06 C12Q1/37 C12Q1/68 C12R C12R1/685 G01N33/573

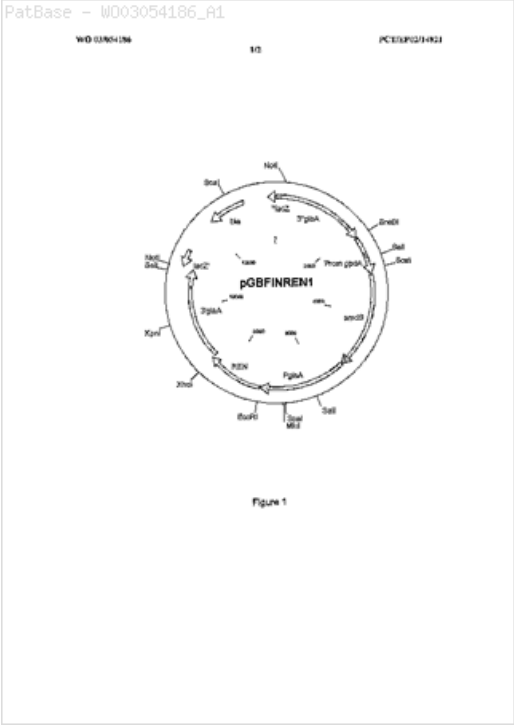
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Probable Assignee: DSM IP ASSETS BV

Assignee(s): (std): ALBANG RICHARD ; ALBERMANN KAJ ; DE LANGE LINDA ; DEKKER PETRUS J T ; DEKKER PETRUS JACOBUS THEODORU ; DSM IP ASSETS B V ; DSM IP ASSET B V ; DSM IP ASSETS B ; DSM AJ PI EHSSETS B V ; DSM IP ASSETA B V ; DIJK VAN ALBERTUS ALARD ; DELEST VERONIQUE ; DSM IP ASSETS BV ; DSM IP ASSETA BV ; DSM IP ASSET BV ; DSM AJ PI EHSSETS BV ; HEINRICH OLIVER ; FOLKERS ULRIKE ; FRITZ ANDREAS ; EDENS LUPPO ; GUSTEDT VON WILK ; HOEVAN VAN DER ROBERTUS ANTONI ; HOEVAN ROBERTUS ANTONIUS MIJND ; DSM IP ASSETS BV ; DSM NV ; DSM IP PROPERTY N V ; KRUBASIK PHILIPP ; HOPPER SYLVIA ; KEMMNER WOLFRAM ; TAN PAMELA ; STIEBLER JOSEPHINE ; KIMPEL ERIK ; SPREAFICO FABIO ; WAGNER CHRISTIAN ; MAIER DIETER ; STOCK ALEX ; KLUGBAUER SABINE ; HOEVAN VAN D ROBERTUS ANTONI ; HOEVAN ROBERTUS ANTONI VAN D ; VAN DER HOEVAN ROBERTUS ANTONI ; LANGE LINDA DE ; LOPEZ MICHEL

Assignee(s): INFOR GLOBAL SOLUTIONS TECHNOLOGY GMBH ; DSM IP PROPERTY NV ; VAN DER HOEVAN ROBERTUS ANTONIUS MIJNDERT ; HOEVAN VAN D ROBERTUS ANTONIUS MIJNDERT ; HOEVAN VAN D ROBERTUS ANTONIUS MIJNDERT ; HOEVAN VAN DER ROBERTUS ANTONIUS MIJNDERT ; DSM IP ASSETS B V HEERLEN ; HOEVAN ROBERTUS ANTONIUS MIJNDERT VAN D ; HOEVAN VAN DER ROBERTUS ANTONIUS MIJNDERT ; DSM N V ; DSM NEAMLOZE VENNOOTSCHAP ; DSM IP ASSETS B V ; DEKKER PETRUS JACOBUS THEODORUS

Inventor(s): (std): A A DIJK VAN ; AL BANG RIKHARD ; AL BERMANN KAJ ; ALARD DIJK VAN ALBERTUS ; ALBANG RICHARD ; ALEX STOCK ; ALEXANDER STOCK ; ANDREAS FRITZ ; ANTONI DER HOEVAN ROBERTUS VAN ; CHRISTIAN WAGNER ; DE LANGE LINDA ; DEKKER PETRUS ; DEKKER PETRUS J T ; DEKKER PETRUS JACOBUS ; DEKKER PETRUS JACOBUS THEODORU ; DEKKER PETRUS JACOBUS THEODORUS ; DELEST L EDENS R A M HOEVAN VA ; DELEST V ; DELEST VERONIQUE ; DER R A M HOEVAN VAN ; DIETER MAIER ; DIJK ALBERTUS ALARD ; DIJK ALBERTUS ALARD VAN ; DIJK ALBERTUS VAN ; DIJK VAN ALBERTUS ALARD ; DIKER P J T ; EDENS L ; EDENS LUPPO ; EHDENS LJUPPO ; ERIK KIMPEL ; FABIO SPREAFICO ; FOL KERS UL RIKE ; FOLKER ULRIKE ; FOLKERS ULRIKE ; ALBERMANN KAJ ; FON GUSTEDT VIL K ; FRITTS ANDREAS ; FRITZ ANDREAS ; GUSTEDT VON WILK ; GUSTEDT WILK VON ; HEINRICH OLIVER ; HOEVAN VAN D ROBERTUS ANTONI ; HOEVAN VAN DER ROBERTUS ANTONI ; HOEVAN DER ROBERTUS ANTONIUS M ; HOEVAN DER ROBERTUS ANTONIUS MIJNDERT VAN ; HOEVAN ROBERTUS ANTONI VAN D ; HOEVAN ROBERTUS ANTONIUS MIJND ; HOEVAN ROBERTUS ANTONIUS MIJNDERT VAN D ; HOEVAN ROBERTUS ANTONIUS VAN D ; HOEVAN ROBERTUS VAN D ; HOEVAN VAN D ROBERTUS ; HOEVAN VAN D ROBERTUS ANTONI ; HOEVAN VAN D ROBERTUS ANTONIUS ; HOEVAN VAN D ROBERTUS ANTONIUS MIJNDERT ; HOEVAN VAN DER ; HOEVAN VAN DER ROBERTUS ; HOEVAN VAN DER ROBERTUS ANTONI ; HOEVAN VAN DER ROBERTUS ANTONIUS ; HOEVAN VAN DER ROBERTUS ANTONIUS MIJNDERT ; HOPPER SYLVIA ; JOSEPHINE STIEBLER ; KAJ ALBERMANN ; KEMMNER VOL FRAM ; KENMER WOLFRAM ; KHAJNRKIH OLIVER ; KHOPPER SIL VIJA ; KEMMNER WOLFRAM ; KIMPEL EHRIK ; KIMPEL ERIK ; KLUGBAUEHR ZABINE ; KLUGBAUER SABINE ; KRUBAZIK FILIPP ; KRUBASIK PHILIPP ; LANGE LINDA DE ; LINDA DE LANGE ; LINDA DEKKER PETRUS JACOBUS TH ; LOPEZ MICHEL ; LUPPO EDENS ; MAIER DIETER ; KRUBASIK P ; KRUBASIK PHILIPP ; MAIER DITER ; MIJNDERT ROBERTUS ANTONIUS ; OLIVER HEINRICH ; PAMELA TAN ; PHILIPP KRUBASIK ; RICHARD ALBANG ; SABINE KLUGBAUER ; SHTIBLER JOSEFINE ; SHTOK ALEKS ; SPREAFICO FABIO ; SPREAFICO FABIO ; STIEBLER JOSEPHINE ; STOCK ALEX ; STOCK ALEXANDER ; SYLVIA HOPPER ; TAN PAMELA ; THEODORU DEKKER PETRUS JACOBUS ; ULRIKE FOLKERS ; VAGNER KRISTIAN ; VAN DEJK AL BERTUS ALARD ; VAN DER HOEVAN ROBERTUS ; VAN DER HOEVAN

ROBERTUS ANTONI ; VAN DER HOEVEN ROBERTUS ANTONIUS ; VAN DER HOEVEN ROBERTUS ANTONIUS MIJNDERT ; VON GUSTEDT WILK ; VON WILK GUSTEDT ; WAGNER CHRISTIAN ; VAN DIJK ALBERTUS ALARD ; VANDER R A M HOEVEN ; WILK GUSTEDT VON ; WOLFRAM KEMMNER

Inventor(s):

WILK VON GUSTEDT ; VERONIQUE DELEST ; WAGNER CHRISTIAN C O DSM INTELLECTUAL PROPERTY ; WILK GUSTEDT ; VAN DER ROBERTUS ANTONIUS MIJNDERT HOEVEN ; VAN DEJK AL'BERTUS ALARD ; VAN ALBERTUS ALARD DIJK ; V DELEST ; TAN PAMELA C O DSM INTELLECTUAL PROPERTY ; STOCK ALEXANDER C O DSM INTELLECTUAL PROPERTY ; STIEBLER JOSEPHINE C O DSM INTELLECTUAL PROPERTY ; SPREAFICO FABIO C O DSM INTELLECTUAL PROPERTY ; ROBERTUS ANTONIUS MIJNDERT ; ROBERTUS ANTONIUS MIJNDERT HOEVEN VAN D ; ROBERTUS ANTONIUS MIJNDERT VAN D HOEVEN ; ROBERTUS ANTONIUS MIJNDERT VAN DER HOEVEN ; R A M HOEVEN VAN D ; R A M HOEVEN VAN DER ; R A M HOEVEN VANDER ; RAM HOEVEN VANDER ; PETRUS JACOBUS THEODORUS DEKKER ; PETRUS JACOBUS THEODORUS VAN D HOEVEN DEKKER ; PETRUS JACOBUS THEODORUS VAN DER HOEVEN DEKKER ; P J T DIKER ; P KRUBASIK ; MICHEL LOPEZ ; KRUBASIK PHILIPP C O DSM INTELLECTUAL PROPERTY ; MAIER DIETER C O DSM INTELLECTUAL PROPERTY ; L EDENS ; L EDENS R A M HOEVEN VANDER V DELEST ; L EDENS RAM HOEVEN VANDER V DELEST ; KLUGBAUER SABINE C O DSM INTELLECTUAL PROPERTY ; KIMPEL ERIK C O DSM INTELLECTUAL PROPERTY ; KIMPEL' EHRIC ; KEMMNER WOLFRAM C O DSM INTELLECTUAL PROPERTY ; KHOPPER SIL'VIJA ; KEMMNER VOL'FRAM ; HOPPER SYLVIA C O DSM INTELLECTUAL PROPERTY ; HOEVAN VAN DER ROBERTUS ANTONIUS MIJNDERT ; HOEVAN VAN D ROBERTUS ANTONIUS MIJNDERT ; HEINRICH OLIVER C O DSM INTELLECTUAL PROPERTY ; GUSTEDT VON WILK C O DSM INTELLECTUAL PROPERTY ; FRITZ ANDREAS C O DSM INTELLECTUAL PROPERTY ; FON GUSTEDT VIL'K ; AL'BERMANN KAJ ; ALBERMANN KAJ C O DSM INTELLECTUAL PROPERTY ; ALBERTUS ALARD DIJK VAN ; ALBERTUS ALARD VAN DIJK ; FOL'KERS UL'RIKE ; FOLKERS ULRIKE C O DSM INTELLECTUAL PROPERTY ; DIJK VAN ALBERTUS ALARD C O DSM INTELLECTUAL... ; DEKKER PETRUS JACOBUS THEODORU VAN D HOEVEN ; DEKKER PETRUS JACOBUS THEODORU VAN D HOEVEN ROBERTUS ANTONI EDENS LUPPO DE LANGE LINDA ; ALBANG RICHARD C O DSM INTELLECTUAL PROPERTY ; AL'BANG RIKHARD ; ALARD DIJK ; AA DIJK VAN

Agent(s):

PHILLIPS ORMONDE FITZPATRICK; SPRUSON AND FERGUSON; SMART AND BIGGAR; FETHERSTONHAUGH AND CO; MATULEWICZ EMIL RUDOLF ANTONIUS ET AL; MATULEWICZ EMIL RUDOLF ANTONIUS; TEN HAAFT PETRUS; MONACO VANIA; MORRISON AND FOERSTER LLP; NIXON AND VANDERHYE PC

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 SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: DISSOLVABLE FIBROUS WEB STRUCTURE ARTICLE COMPRISING ACTIVE AGENTS

Abstract: The personal care compositions of the present invention are in the form of an Article comprising a dissolvable fibrous web structure. The fibers of the dissolvable fibrous web structure comprise a surfactant; a water soluble polymeric structurant; and a plasticizer. Additionally the ratio of the water soluble water soluble polymeric structurant to the active agent in the fiber is 3.5 or less.

Classifications:

International (IPC 8-9): A23L A23L1/00 A23L1/22 A23L1/221

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A61F13/15 B29C43/24 B29C43/48 B29K1/00 B29K105/00 B29K29/00 B29L31/00 D01D10/02 D06C15/00

D06C15/02 (Advanced/Non-invention);

A23L A61L B29C C08J C11D D01F (Subclass/Invention)

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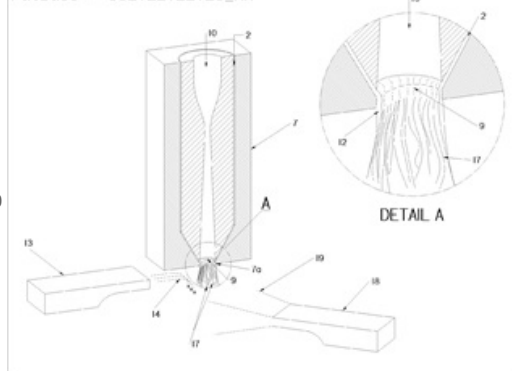
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Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): ALLEN WILLIAM MAXWELL JR ; BRENNAN JONATHAN PAUL ; CHHABRA RAJEEV ; CROLL BRIAN PATRICK ; GORDON GREGORY CHARLES ; HAMAD EBRAHIMPOUR ALYSSANDREA HOPE ; HEINZMAN STEPHEN WAYNE ; DENOME FRANK WILLIAM ; GLENN ROBERT WAYNE JR ; HODSON STEPHEN JOSEPH ; GILBERT STEVEN RAY ; DARCY TREVOR JOHN ; DREHER ANDREAS JOSEF ; GLENN JR ROBERT WAYNE ; HAMAD EBRAMINPOUR ALYSSANDREA HOPE ; DZE PROKTER END GEMBL KOMPANI ; PROCTER AND GAMBLE ; JAMES MICHAEL DAVID ; SIVIK MARK ROBERT ; RICHARDS MARK RYAN ; TROKHAN PAUL DENNIS ; REYNOLDS GEOFFREY WILLIAM ; WEISMAN PAUL THOMAS ; MICHAEL JOHN GERHARD ; PROCTER AND GAMBLE CO ; MICHAEL JOHN GERHAD ; SIVK MARK ROBERT ; ALLEN JR WILLIAM MAXWELL ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE COMAPNY

Assignee(s): ALLEN WILLIAM MAXWELL ; PROCTER AND GAMBLE COONE PROCTER & GAMBLE PLAZACINCINNATIOH45202US ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): ALLEN WILLIAM MAXWELL JR ; DARCY TREVOR JOHN ; DENOME FRANK ; GILBERT STEVEN RAY ; GLENN JR ROBERT WAYNE ; GORDON GREGORY ; DREHER ANDREAS ; GREGORY CHARLES GORDON ; HAMAD EBRAHIMPOUR ALYSSANDREA ; JONATHAN PAUL BRENNAN ; MICHAEL JOHN ; MICHAEL JOHN GERHAD ; HAMAD EBRAMINPOUR ALYSSANDREA HOPE ; RAJEEV CHHABRA ; ROBERT WAYNE GLENN JR ; SIVIK MARK ; WEISMAN PAUL THOMAS ; WILLIAM MAXWELL ALLEN JR ; TROKHAN PAUL ; TROKHAN PAUL DENNIS ; SIVK MARK ROBERT ; SIVIK MARK ROBERT ; RICHARDS MARK RYAN ; REYNOLDS GEOFFREY WILLIAM ; MICHAEL JOHN GERHARD ; JAMES MICHAEL DAVID ; HODSON STEPHEN JOSEPH ; HEINZMAN STEPHEN WAYNE ; HAMAD EBRAHIMRIUR ALYSSANDREA HOPE ; HAMAD EBRAHIMPOUR ALYSSANDREA HOPE ; HAMAD EBRAHIM POUR ALYSSANDREA HOPE ; CROLL BRIAN PATRICK ; CHHABRA RAJEEV ; BRENNAN JONATHAN PAUL ; ALLEN WILLIAM MAXWELL ; ALLEN JR WILLIAM MAXWELL ; STEPHEN WAYNE HEINZMAN ; STEPHEN JOSEPH HODSON ; PAUL THOMAS WEISMAN ; PAUL DENNIS TROKHAN ; MICHAEL DAVID JAMES ; MARK RYAN RICHARDS ; MARK ROBERT SIVIK ; JOHN GERHARD MICHAEL ; GEOFFREY WILLIAM REYNOLDS ; FRANK WILLIAM DENOME ; BRIAN PATRICK CROLL ; ANDREAS JOSEF DREHER ; ALYSSANDREA HOPE HAMAD EBRAHIMPOUR ; GLENN ROBERT WAYNE JR ; GORDON GREGORY CHARLES ; DREHER ANDREAS JOSEF ; DENOME FRANK WILLIAM

Inventor(s): DARCY TREVOR JOHN WEST CHESTER ; DENOME FRANK WILLIAMUS ; GLENN ROBERT WAYNE JRUS ; GLENN ROBERT WAYNE JR LIBERTY TOWNSHIP ; GLENN ROBERT WAYNE ; GILBERT STEVEN RAY FAIRFIELD ; EBRAHIMPOUR ALYSSANDREA HOPE ; GORDON GREGORY CHARLESUS ; HAMAD EBRAHIMPOUR ALYSSANDREA HOPEUS ; HEINZMAN STEPHEN WAYNEUS ; HEINZMAN STEPHEN WAYNE CINCINNATI ; HODSON STEPHEN JOSEPHUS ; JAMES MICHAEL DAVIDUS ; JAMES MICHAEL DAVID CINCINNATI ; REYNOLDS GEOFFREY WILLIAMUS ; REYNOLDS GEOFFREY WILLIAM MONTGOMERY ; RICHARDS MARK RYANUS ; RICHARDS MARK RYAN HAMILTON ; SIVIK MARK ROBERTUS ; TROKHAN PAUL DENNIS HAMILTON ; WEISMAN PAUL THOMASUS ; WEISMAN PAUL THOMAS CINCINNATI ; TROKHAN PAUL DENNISUS ; TROKHAN PAUL DENNIS HAMILTION ; SIVIK MARK ROBERT MASON ; STEVEN RAY GILBERT ; TREVOR JOHN DARCY ; ROBERT WAYNE JR GLENN ; HODSON STEPHEN JOSEPH FRANKLIN ; MICHAEL JOHN GERHARD CINCINNATI ; HAMAD EBRAHIMPOUR ALYSSANDREA HOPE CINCINNATI ; DREHER ANDREAS JOSEF CINCINNATI ; GORDON GREGORY CHARLES LOVELAND ; DENOME FRANK WILLIAM CINCINNATI

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MBM INTELLECTUAL PROPERTY LAW LLP; KIRBY EADES GALE BAKER; TORYS LLP; HEIDE UTE; PICKFORD JAMES LAWRENCE; MAROLLE PATRICK PIERRE PASCAL; CANONIC JEAN JACQUES; GOODIER CLAIRE LOUISE; KREMER VERONIQUE MARIE JOSEPHINE; DEL VALLE SONIA; TANI AND ABE PC; SOGA MICHIHARU; NAGAI HIROSHI; RYBINOJ NA; C BRANT; ANGELA K; AMANDA; ALEXANDER S; THE PROCTER AND GAMBLE COMPANY

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: BICYCLIC HETEROARYL COMPOUNDS

Abstract: This invention relates to compounds of the general formula: in which the variable groups are as defined herein, and to their preparation and use.

FDA Data:

Application number	Active ingredient	Proprietary name	Applicant	Date of approval
203469	PONATINIB HYDROCHLORIDE	ICLUSIG	ARIAD	Apr 23, 2015
203469	PONATINIB HYDROCHLORIDE	ICLUSIG	ARIAD	Dec 14, 2012

Classifications:

International (IPC 8-9): A01N43/54 A61K31/395 A61K31/4164 A61K31/4178 A61K31/427 A61K31/435 A61K31/437 A61K31/4375 A61K31/44 A61K31/4439 A61K31/444 A61K31/4545 A61K31/4725 A61K31/4745 A61K31/495 A61K31/496 A61K31/497 A61K31/498 A61K31/4985 A61K31/501 A61K31/502 A61K31/5025 A61K31/503 A61K31/505 A61K31/506 A61K31/519 A61K31/52 A61K31/53 A61K31/535 A61K31/5365 A61K31/5377 A61K31/5383 A61K31/55 A61K31/551 A61K31/675 A61K31/695 A61P17/00 A61P19/00 A61P19/02 A61P19/08 A61P19/10 A61P29/00 A61P3/00 A61P35/00 A61P35/02 A61P35/04 A61P43/00 C07D C07D213/22 C07D213/56 C07D213/60 C07D213/73 C07D213/75 C07D213/78 C07D217/14 C07D217/18 C07D217/22 C07D231/12 C07D231/14 C07D233/61 C07D233/64 C07D233/88 C07D233/90 C07D237/20 C07D237/26 C07D237/28 C07D239/02 C07D239/26 C07D239/42 C07D239/70 C07D241/12 C07D241/20 C07D277/40 C07D401/04 C07D401/12 C07D401/14 C07D403/12 C07D403/14 C07D405/06 C07D413/12 C07D417/12 C07D417/14 C07D471/02 C07D471/04 C07D473/34 C07D487/00 C07D487/02 C07D487/04 C07D498/04 C07F7/10 C07F9/6561 E06B3/12 E06C7/16 (Advanced/Invention); A61K31/4178 A61K31/427 A61K31/437 A61K31/4375 A61K31/4439 A61K31/4725 A61K31/4745 A61K31/496 A61K31/497 A61K31/4985 A61K31/502 A61K31/5025 A61K31/506 A61K31/519 A61K31/53 A61K31/5365 A61P35/00 A61P43/00 C07D487/00 C07D487/02 C07D487/04 (Advanced/Non-invention); A61K31/00 A61K31/4164 A61K31/427 A61K31/4353 A61K31/4427 A61K31/4738 A61K31/496 A61K31/4965 A61K31/498 A61K31/4985 A61K31/501 A61K31/502 A61K31/5025 A61K31/503 A61K31/506 A61K31/519 A61K31/53 A61K31/5365 A61K31/5375 A61P17/00 A61P19/00 A61P29/00 A61P3/00 A61P35/00 A61P43/00 C07D213/00 C07D217/00 C07D231/00 C07D233/00 C07D237/00 C07D239/00 C07D241/00 C07D401/00 C07D403/00 C07D413/00 C07D417/00 C07D471/00 C07D487/00 C07D498/00 E06B3/04 E06C7/00 (Core/Invention); C07D (Subclass/Invention)

International (IPC 1-7): A61K31/53 B06C7/16 E06B3/12

CPC: C07D473/34 C07D213/56 C07D213/73 C07D213/75 C07D213/78 C07D217/14 C07D217/22 C07D237/20 C07D237/28 C07D239/26 C07D241/12 C07D241/20 C07D401/12 C07D401/14 C07D405/06 C07D413/12 C07D471/04 C07D487/04 C07D231/12 C07D233/64 C07D233/90 C07D277/40 C07D403/12 C07D403/14 C07D417/12 C07D417/14

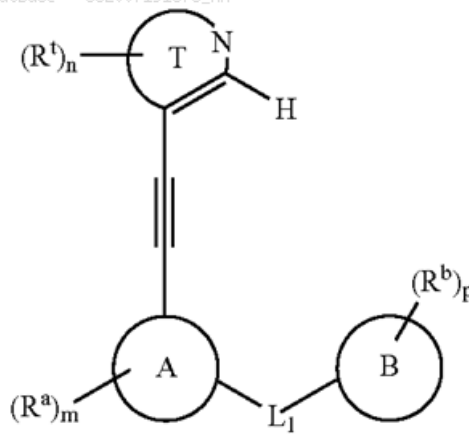
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Publication number	Publication date	Application number	Application date
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AU20130203928	20130411	US20140296016	20140604	JP20150082840	20150414
AU20150210454	20150807	US20160003537	20160121	US20170699579	20170908

Probable Assignee: ARIAD PHARMACEUTICALS INC

Assignee(s): (std): METCALF CHESTER A III ; DALGARNO DAVID C ; HUANG WEI SHENG ; QI JIWEI ; METCALF CHESTER A ; QL JIWEI ; METCALF III CHESTER A ; SUNDARAMOORTHY RAJESWARI ; WANG YIHAN ; SHAKESPEARE WILLIAM C ; THOMAS R MATHEW ; ZHU XIAOTIAN ; SAWYER TOMI K ; ZOU DONG ; ROMERO JAN ANTOINETTE C ; THOMAS R M ; ROMERO JAN A C ; ROMERO JAN ANTOINETTE C ; THOMAS R MATTHEW ; ZHU DONG ; ARIAD PHARM INC ; ARIAD PHARMA INC ; ARIAD PHARMACEUTICALS INC

Assignee(s): ARIAD PHARMACEUTICALS INC CAMBRIDGE ; THOMAS R

Inventor(s): (std): CHESTER A METCALF III ; DALGAMO DAVID C ; DALGARNO DAVID C ; DAVID C DALGARNO ; DONG ZOU ; HUANG WEI SHENG ; JAN ANTOINETTE C ROMERO ; JIWEI QI ; METCALF CHESTER A ; METCALF CHESTER A III ; QL JIWEI ; R MATHEW THOMAS ; RAJESWARI SUNDARAMOORTHY ; METCALF III CHESTER A ; QI JIWEI ; ROMERO JAN A C ; ROMERO JAN ANTOINETTE C ; ROMERO JAN ANTIONETTE C ; SAWYER TOMI K ; SHAKESPEARE WILLIAM C ; SHENG HUANG WEI ; SUNDARAMOORTHY RAJESWARI ; THOMAS MATHEW ; THOMAS MATHEW R ; THOMAS R M ; THOMAS R MATHEW ; THOMAS R MATTHEW ; THOMAS RANNY M ; TOMI K SAWYER ; WANG YIHAN ; WEI SHENG HUANG ; WILLIAM C SHAKESPEARE ; XIAOTIAN ZHU ; YIHAN WANG ; ZHU DONG ; ZHU XIAOTIAN ; ZOU DONG

Inventor(s): ZOU DONG CONCORD ; ZHU XIAOTIAN NEWTON ; WANG YIHAN NEWTON ; THOMAS R MATHEW SHARON ; THOMAS R ; SUNDARAMOORTHY RAJESWARI WATERTOWN ; SHAKESPEARE WILLIAM C SOUTHBOROUGH ; SAWYER TOMI K SOUTHBOROUGH ; SHAKESPEARE WILLIAM ; ROMERO JAN ANTOINETTE ; ROMERO JAN ANTOINETTE C SOMERVILLE ; ROMERO JAN ANTOINETTE C SUMMerville ; SAWYER TOMI ; ROMERO JAN AC ; QI JIWEI WEST ROXBURY ; ROMERO JAN ; METCALF CHESTER A III NEEDHAM ; METCALF CHESTER A NEEDHAM ; METCALF CHESTER AIII ; JIWEI QL ; MATHEW R THOMAS ; MATHEW THOMAS ; METCALF ; METCALF CHESTER ; HUANG WEI SHENG ACTON ; JAN ANTIONETTE C ROMERO ; DALGARNO DAVID C BROOKLINE ; CHESTER A ; CHESTER A METCALF ; DALGARNO DAVID

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BORDEN LADNER GERVAIS LLP; WSL PATENTANWALTE PARTNERSCHAFT MBB; D YOUNG AND CO LLP; VOSSIUS AND PARTNER; Duncan Garreth Andrew; DUNCAN GARRETH ANDREW; PEREZ ELIANA; ISERN JORGE; REINHOLD COHN AND PARTNERS; ARIAD PHARMACEUTICALS INC ARIAD GENE THERAPEUTICS INC; DAVID L; CHRISTOPHER J; GRETCHEN S

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