

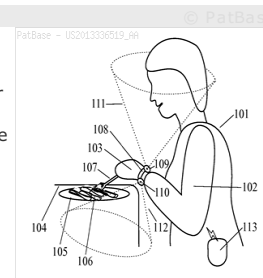
1) Family number: 55366782 (US2013336519A)

WILLPOWER WATCH (TM) -- A WEARABLE FOOD CONSUMPTION MONITOR

Abstract: Source: US2013336519A This invention is a wearable, automatic, and tamper-resistant device and method for monitoring and measuring food consumption and caloric intake. It can help people to manage their energy balance and weight. It can be embodied as: (a) one or more automatic-imaging members that are worn on a person from which these members collectively and automatically take pictures of the person's mouth and pictures of a reachable food source when the person eats; (b) a tamper-resisting mechanism which detects and responds if the operation of the one or more automatic-imaging members is impaired; and (c) an image-analyzing member which automatically analyzes pictures of the person's mouth and pictures of the reachable food source in order to estimate the types and quantities of food that are consumed by the person.

Probable Assignee: MEDIBOTICS LLC

Earliest Publication Date: 20131219



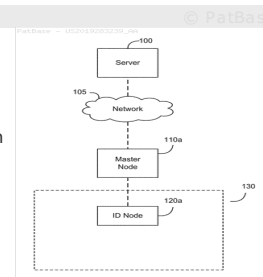
2) Family number: 75905859 (US2019283239A)

MODULAR MOBILITY BASE FOR A MODULAR AUTONOMOUS LOGISTICS VEHICLE TRANSPORT APPARATUS

Abstract: Source: US2019283239A A modular mobility base for a modular autonomous bot apparatus transporting an item being shipped including a mobile base platform, a component alignment interface, a mobility controller, a propulsion and steering system, and sensors. The component alignment interface provides an alignment channel into which another modular component can be placed and secured on the platform. The mobility controller generates propulsion control signals for controlling speed of the modular mobility base and steering control signals for navigation of the modular mobility base. The propulsion system is connected to the platform and responsive to the propulsion control signal. The steering system is connected to the mobile base platform and is responsive to the steering control signal to cause changes to directional movement of the modular mobility base. The sensors are disposed on the platform provide feedback sensor data to the mobility controller about a condition of the modular mobility base.

Probable Assignee: FEDEX CORP SERVICES INC

Earliest Publication Date: 20190919



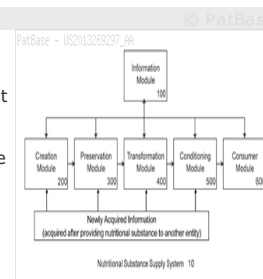
3) Family number: 54353595 (US2013269297A)

TRANSFORMATION SYSTEM FOR OPTIMIZATION OF NUTRITIONAL SUBSTANCES AT CONSUMPTION

Abstract: Source: US2013269297A Disclosed herein is a transformation system to create a nutritional substance product that obtains information regarding the nutritional substance components to be transformed, the desired transformation, and the desired properties, including nutritional content, of the transformed nutritional substance, and dynamically modifies the transformation in response to this information to optimize a nutritional, organoleptic or aesthetic value of the nutritional substance product after it has been prepared for consumption. Various component nutritional substances are individually or collectively transformed and preserved, then provided to consumers or conditioners in a format allowing retrieval of preparation instructions unique to the individual nutritional product at the time of preparation and intended to optimize a nutritional, organoleptic, or aesthetic value targeted by the transformer during transformation.

Probable Assignee: ICEBERG LUXEMBOURG SARL

Earliest Publication Date: 20130723



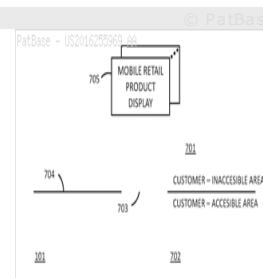
4) Family number: 63468628 (US2016255969A)

SHOPPING FACILITY ASSISTANCE SYSTEMS, DEVICES AND METHODS PERTAINING TO MOVEMENT OF A MOBILE RETAIL PRODUCT DISPLAY

Abstract: Source: US2016255969A A motorized transport unit is configured to temporarily attach to a mobile retail product display and a central computer system is configured to task that motorized transport unit to move such a mobile retail product display. This movement can be from a customer-inaccessible area to a customer-accessible area and/or vice versa. The mobile retail product displays can include refrigerated-product displays and heated-product displays. By one approach such tasking is based, at least in part, upon detecting one or more predetermined states such as a predetermined temporal state, a detected customer demographic, local weather conditions, and/or a societal observation.

Probable Assignee: WALMART APOLLO LLC

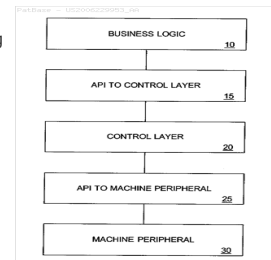
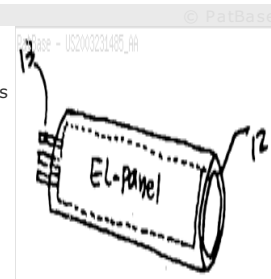
Earliest Publication Date: 20160908



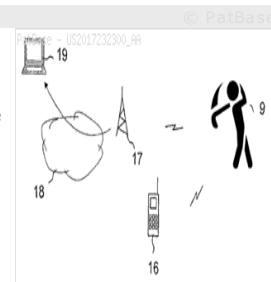
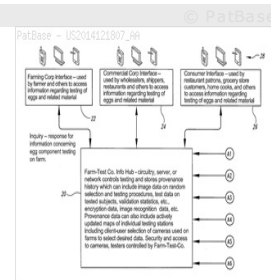
5) Family number: 33475620 (US2006229953A)

PRODUCTS AND PROCESSES FOR VENDING A PLURALITY OF PRODUCTS VIA DEFINED GROUPS

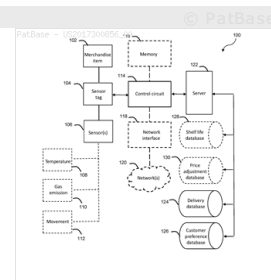
Earliest Publication Date: 20061012

**Earliest Publication Date:** 20031218

Earliest Publication Date: 20170404

**Earliest Publication Date:** 20140501

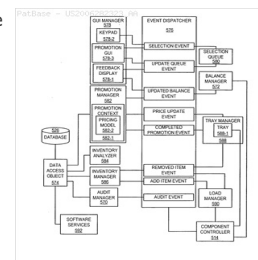
Earliest Publication Date: 20171019



Abstract: Source: US2006282323A According to an embodiment, a jackpot may be available as a prize and/or incentive via a vending machine. In some embodiments, a network of vending machines may contribute to and/or define the jackpot.

Probable Assignee: WALKER DIGITAL LLC

Earliest Publication Date: 20050623



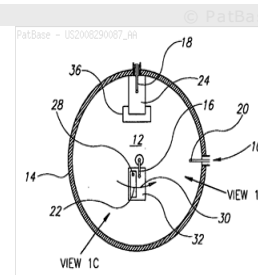
11) Family number: 35872810 (US2008290087A)

ELECTROMAGNETIC HEATING

Abstract: Source: US2008290087A An apparatus for applying RF energy to an object, comprising at least one slower-scanning, frequency source and at least one faster-scanning frequency source, and a controller which sweeps a range of frequencies using the faster-scanning source to measure RF absorption and controls the slower-scanning frequency source based on the sweep.

Probable Assignee: GOJI LTD

Earliest Publication Date: 20070830



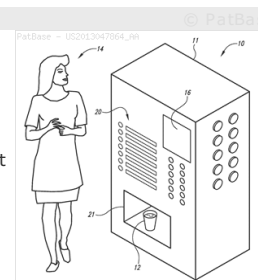
12) Family number: 53122529 (US2013047864A)

STOCK SUPPLY BASED MODIFIABLE SELECTION SYSTEM AND METHOD FOR INGESTIBLE MATERIAL PREPARATION SYSTEM AND METHOD

Abstract: Source: US2013047864A A computationally implemented system and method that is designed to, but is not limited to: electronically directing control of at least partial preparation of the one or more selected ingestible products subsequent to and based at least in part upon the selection of the at least one candidate ingestible product as the at least one selected ingestible product via the electronically enabled input in response to the electronically outputted one or more selection menus and prior to preparation of the one or more selected ingestible products for ingestion by the particular individual living being of the selected ingestible products, the at least partial preparation of the one or more selected ingestible products occurring within a vicinity of the electronically outputting of the electronically outputted one or more selection menus. In addition, other method aspects are described in the claims, drawings, and text forming a part of the present disclosure.

Probable Assignee: ELWHA LLC

Earliest Publication Date: 20130228



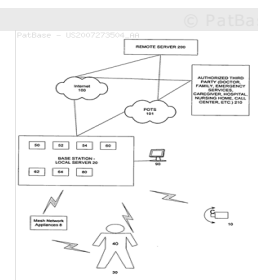
13) Family number: 40843719 (US2007273504A)

MESH NETWORK MONITORING APPLIANCE

Abstract: Source: US2007273504A A health care monitoring system for a person includes one or more wireless nodes forming a wireless mesh network; a wearable appliance having a sound transducer coupled to the wireless transceiver; and a bioelectric impedance (BI) sensor coupled to the wireless mesh network to communicate BI data over the wireless mesh network to detect a heart attack or a stroke attack.

Probable Assignee: PHILIPS KONINKLL NV

Earliest Publication Date: 20071129



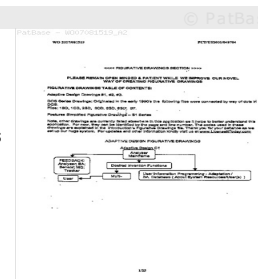
14) Family number: 34894143 (WO07081519A2)

GENIUS ADAPTIVE DESIGN

Abstract: Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1-707-428-5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative LP. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in tryingit out. Discover amazing inventions inside today.

Probable Assignee: INNOVATION INST LLC

Earliest Publication Date: 20070719



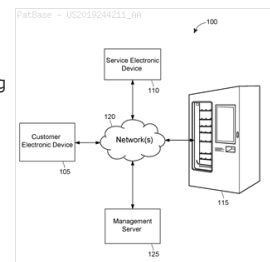
15) Family number: 75434184 (US2019244211A)

SYSTEMS AND METHOD FOR RECALL COMPLIANCE AT A VENDING MACHINE

Abstract: Source: US2019244211A Systems and methods for implement an item lockout at a vending machine. For example, an item may be locked out due to a recall associated with the item. The systems and methods include detecting a lockout request indicating an item type. The systems and methods also include querying an inventory database to identify items associated with the item type. The inventory database is configured to store item records of items offered by a vending machine and store a status of the items offered by the vending machine. Additionally, the systems and methods include changing a status of the items associated with the item type to indicate that the items are locked out. Changing the status of the items prevents the corresponding items from appearing in a list of available items.

Probable Assignee: ROMAINE EMPIRE INC

Earliest Publication Date: 20190808



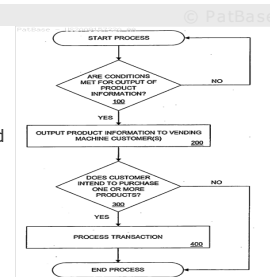
16) Family number: 32622617 (US2009157220A)

PRODUCTS AND PROCESSES FOR COMMUNICATING INFORMATION REGARDING A PRODUCT DISPENSED BY A VENDING MACHINE

Abstract: Source: US2009157220A According to an embodiment, information about a product is communicated to at least one customer of a vending machine. It is determined whether to dispense a product from the vending machine, and the product is dispensed from the vending machine.

Probable Assignee: WALKER DIGITAL LLC

Earliest Publication Date: 20060216



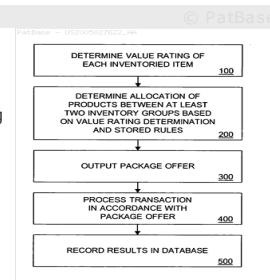
17) Family number: 33461518 (US2005027622A)

PRODUCTS AND PROCESSES FOR VENDING A PLURALITY OF PRODUCTS VIA DEFINED GROUPS

Abstract: Source: US2005027622A Products and processes are disclosed for defining at least one inventory group. This at least one inventory group includes at least two products that are available for sale by a vending machine. The vending machine outputs an indication of products that the at least one inventory group includes. The vending machine receiving, from a customer, a selection of a first product that the at least one inventory group includes. The vending machine processes a sale of a unit of the first product and a respective unit of at least one additional product for a single price.

Probable Assignee: WALKER DIGITAL LLC

Earliest Publication Date: 20050203



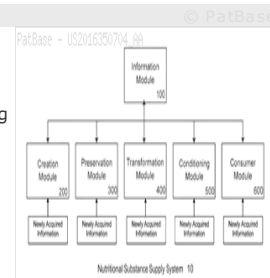
18) Family number: 64164906 (US2016350704A)

NUTRITION BASED FOOD SYSTEM AND METHOD

Abstract: Source: US2016350704A Nutritional substance systems and methods are disclosed enabling the tracking and communication of changes in nutritional, organoleptic, and aesthetic values of nutritional substances, and further enabling the adaptive storage and adaptive conditioning of nutritional substances, and further enabling the tracking of an inventory of nutritional substances.

Probable Assignee: MINVIELLE EUGENIO

Earliest Publication Date: 20161201



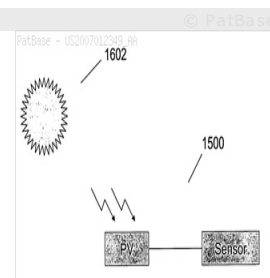
19) Family number: 34105624 (US2007012349A)

PHOTOVOLTAIC SENSOR FACILITIES IN A HOME ENVIRONMENT

Abstract: Source: US2007012349A Photovoltaic cells, facilities, systems and methods, as well as related compositions, are disclosed. Embodiments involve providing a sensor in association with a photovoltaic facility to form a sensor-pv facility; and providing the sensor-pv facility in a kit adapted for purchase by a consumer to be deployed in a home environment.

Probable Assignee: MERCK PATENT GMBH

Earliest Publication Date: 20061015



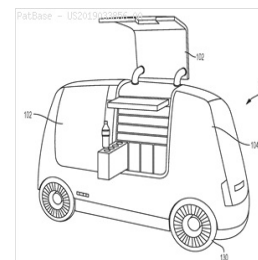
20) Family number: 73047995 (US2019033856A)

METHODS FOR INTERACTING WITH AUTONOMOUS OR SEMI-AUTONOMOUS VEHICLE

Abstract: Source: US2019033856A Provided herein is a system for precise delivery of an item to a consumer by an autonomous or semi-autonomous vehicle. The system performs image recognition algorithms to detect a primary entrance, navigate from a street address to the primary entrance, and to validate the customer upon delivery.

Probable Assignee: NURO INC

Earliest Publication Date: 20190131



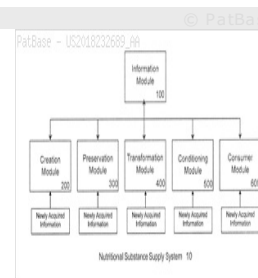
21) Family number: 70782945 (US2018232689A)

COMPUTER VISION BASED FOOD SYSTEM AND METHOD

Abstract: Source: US2018232689A Nutritional substance systems and methods are disclosed enabling the identification, tracking and communication of changes of nutritional substance and in nutritional, organoleptic, and aesthetic values of nutritional substances, and further enabling the adaptive storage and adaptive conditioning of nutritional substances.

Probable Assignee: ICEBERG LUXEMBOURG S A R L

Earliest Publication Date: 20180816



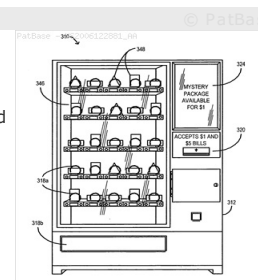
22) Family number: 33461528 (US2006122881A)

SYSTEMS AND METHODS FOR VENDING PROMOTIONS

Abstract: Source: US2006122881A According to some embodiments, systems, methods, and/or articles of manufacture are associated with determining a mystery package, wherein the mystery package comprises a first mystery product and a second mystery product. In some embodiments, the first and second mystery products are selected based at least in part on sales data associated with a plurality of products sold via a vending machine. Some embodiments describe determining a price for the mystery package. In some embodiments, the price for the mystery package is different than the sum of individual respective prices of the first and second mystery products. Some embodiments describe offering the mystery package for the determined mystery package price to a customer of the vending machine. Some embodiments describe receiving an indication of an acceptance of the mystery package offer by the customer and dispensing the at least two mystery products to the customer.

Probable Assignee: WALKER DIGITAL LLC

Earliest Publication Date: 20060608



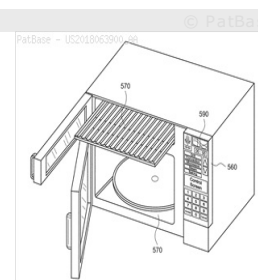
23) Family number: 68723103 (US2018063900A)

CALIBRATION OF DYNAMIC CONDITIONING SYSTEMS

Abstract: Source: US2018063900A Systems and methods are provided for calibration of conditioning systems through selected biomaterials and/or sensing unit where the variability of the conditioning system is identified and compensated in subsequent conditioning session to improve the conditioning system impact and consistency on the nutritional substance desired result.

Probable Assignee: ICEBERG LUXEMBOURG S A R L

Earliest Publication Date: 20180301



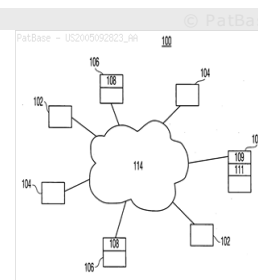
24) Family number: 31871272 (US2005092823A)

METHOD AND SYSTEM FOR STORING, RETRIEVING, AND MANAGING DATA FOR TAGS

Abstract: Source: US2005092823A This invention relates generally to a method and system for storing, retrieving, and managing data for tags that are associated in some manner to any type of object. More particularly, the present invention writes data to these tags, reads data from these tags, and manages data that is written to and/or read from these tags.

Probable Assignee: MOTEDATA INC

Earliest Publication Date: 20050505



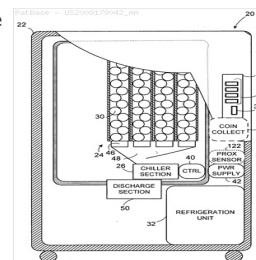
25) Family number: 43203156 (US2009179042A)

APPARATUS FOR MIXING, COOLING, AND DISPENSING A CONTAINERIZED BEVERAGE

Abstract: Source: US2009179042A A smoothie dispenser (20, 20S, 20A) comprises a frame (22); a smoothie receptacle storage section (24); and a receptacle conformed chiller section (26). The smoothie receptacle storage section (24) is provided within the frame (22) and configured to house plural smoothie receptacles (30) at a first temperature. The chiller section (26) is arranged to receive a selected smoothie receptacle released from the smoothie receptacle storage section and configured to crystallize contents of the selected smoothie receptacle. The receptacle conformed chiller section (26) is "receptacle conformed" in the sense that a surface of the chiller section is configured to conform to (e.g., have a surface of shape to mate with or to form substantially greater than linear contact with) at least a portion an exterior profile or periphery of the selected smoothie receptacle.

Probable Assignee: ENTERPRIZE EXPRESS INC

Earliest Publication Date: 20090430



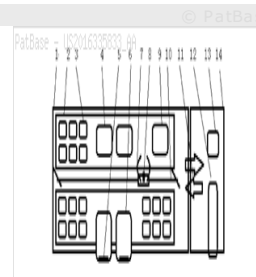
26) Family number: 58497763 (US2016335833A)

SYSTEM FOR AUTOMATICALLY COOKING AND SELLING FROZEN FOOD

Abstract: Source: US2016335833A Disclosed is an automatic-cooking-and-processing vending system for frozen-food, comprising the low-temperature chamber, the object-moving system, the product shelves, the low-temperature chamber equipment, the food container; the said low-temperature chamber equipment is inside the low-temperature chamber, or connected to the casing of the low-temperature chamber; the low-temperature chamber equipment contains hot-air source and the humid-air source; the product shelves is inside the low-temperature chamber with disposable food containers placed on; the object-moving system is inside the low-temperature chamber. This system has the air-circulating system, which can force the outer hot-and-humid air to come inside in one-way from a cold chamber, so as to isolate the hot-and-humid air. Further disclosed is a food-automatic-cook-and-processing system, which may be used in the automatic-cooking-and-processing vending system, comprising a series of auto piercing food-processing devices for disposable food containers and different foods, and with the working patterns of these devices.

Probable Assignee: HUANG ZISHENG

Earliest Publication Date: 20150211



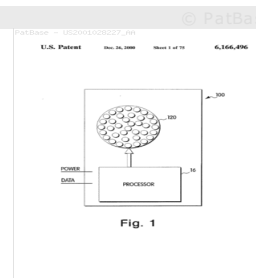
27) Family number: 1914943 (US2001028227A)

DATA DELIVERY TRACK

Abstract: Source: US2001028227A Provided herein may be methods and systems for delivering data, which may include a track having a plurality of conducting wires, a housing for the track, a driver, for delivering data to the track, the driver capable of controlling a transition signal between a state representing a logical one and a state representing a logical zero, and a plurality of devices disposed on the housing and connected to the track, the devices being compatible with the RS-485 standard, wherein the devices include an LED system designed to be controlled by a processor.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20001226



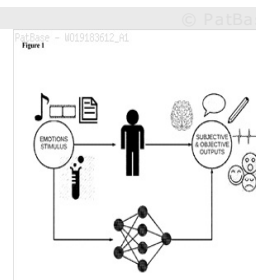
28) Family number: 75998148 (WO19183612A1)

METHODS OF PREDICTING EMOTIONAL RESPONSE TO SENSORY STIMULI BASED ON INDIVIDUAL TRAITS

Abstract: Disclosed here are methods and systems for assessing an emotional response of a subject or a group to a sensory stimulus. The methods employ models that infer emotional response based on individual traits of subjects or groups.

Probable Assignee: KONIKU INC

Earliest Publication Date: 20190926



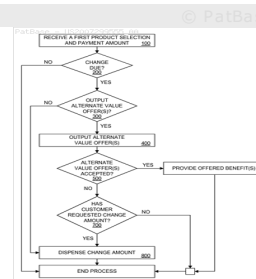
29) Family number: 32310929 (US2007299555A)

PRODUCTS AND PROCESSES FOR MANAGING A VENDING MACHINE TRANSACTION

Abstract: Source: US2007299555A Accordingly to an embodiment, a method includes providing an offer to receive a benefit in lieu of receiving change that is due from a transaction with a vending machine.

Probable Assignee: WALKER DIGITAL LLC

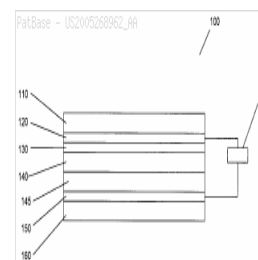
Earliest Publication Date: 20051020



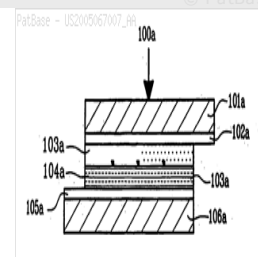
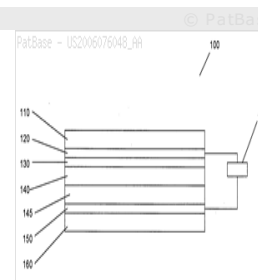
30) Family number: 33500526 (US2005268962A)

FLEXIBLE PHOTOVOLTAIC CELLS, SYSTEMS AND METHODS

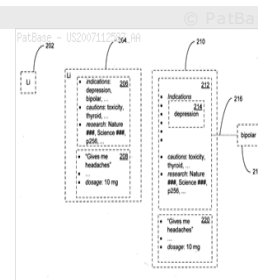
Earliest Publication Date: 20051208



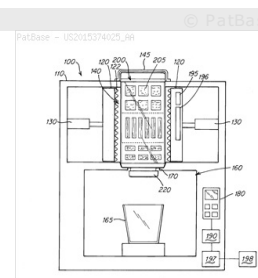
Earliest Publication Date: 20021215

**Earliest Publication Date:** 20060413

Earliest Publication Date: 20070517



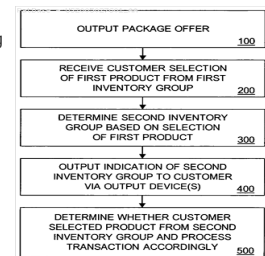
Earliest Publication Date: 20141113



Abstract: Source: US2005027601A Products and processes are disclosed for defining at least one inventory group. This at least one inventory group includes at least two products that are available for sale by a vending machine. The vending machine outputs an indication of products that the at least one inventory group includes. The vending machine receiving, from a customer, a selection of a first product that the at least one inventory group includes. The vending machine processes a sale of a unit of the first product and a respective unit of at least one additional product for a single price.

Probable Assignee: WALKER DIGITAL LLC

Earliest Publication Date: 20050203



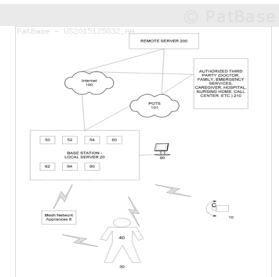
36) Family number: 59140274 (US2015125832A)

HEALTH MONITORING SYSTEM

Abstract: Source: US2015125832A Systems and methods provide automatic messaging to a client on behalf of a healthcare treatment professional by setting up one or more computer implemented agents, each specializing in a disease state, with rules to respond to a client condition; during run-time, receiving a communication from the client and in response selecting one or more computer implemented agents to respond to the communication; and automatically generating a response to be rendered on a client mobile device to encourage healthy behavior.

Probable Assignee: PHILIPS KONINKLL NV

Earliest Publication Date: 20150507



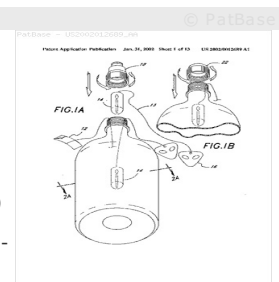
37) Family number: 20914255 (US2002012689A)

METHOD OF HYDRATION; INFUSION PACKET SYSTEM(S), SUPPORT MEMBER(S), DELIVERY SYSTEM(S), AND METHOD(S); WITH BUSINESS MODEL(S) AND METHOD(S)

Abstract: Source: US2002012689A Liquid activated infusion packet(s)/system, promoting hydration, containing active and/or inactive ingredients and/or a support member(s). Infusion Packet(s)/System is one or more individual compartments, and/or group(s), whereby the enveloping material(s) may be totally or partially dissolvable, edible, transparent, opaque, decorated, etc. Further, including of one or more: color(s), flavor(s), aroma(s), pharmaceutical(s), nutraceutical(s), dietary supplement(s), enzyme(s), pre/pro-biotic(s), amino-acid(s), soluble-fiber(s), diagnostic agent(s) etc. regardless of form, +/- effervescence, +/- uniform/controlled-release encapsulations into liquid for humans and/or animals. Enveloping material may be in whole and/or in combination; non-synthetic/porous, and/or synthetic porous/non-porous with deliberate perforations. Infusion Packet(s)/System +/- tag, support member for assistance, consumer compliance: promotion, advertising, education, entertainment, (toy/game), etc. Manual and/or power operated parts, lights, noise, etc. Additionally incorporated; unique business modalities with test market opportunities and/or the ability to provide income and/or esteem for the health challenged.

Probable Assignee: SUZANNE STILLMAN

Earliest Publication Date: 20010619



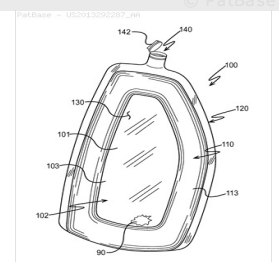
38) Family number: 55113771 (US2013292287A)

FLEXIBLE CONTAINERS HAVING A DECORATION PANEL

Abstract: Source: US2013292287A Non-durable self-supporting flexible containers having a decoration panel.

Probable Assignee: PROCTER AND GAMBLE CO

Earliest Publication Date: 20131107



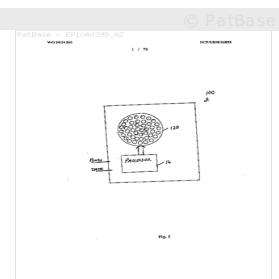
39) Family number: 1915141 (EP1040398A2)

DIGITALLY CONTROLLED ILLUMINATION METHODS AND SYSTEMS

Abstract: Source: EP1040398A2 Provided herein are methods and systems for illumination. The methods and systems may include LED systems associated with a processor. Various environments and applications of processor-controlled LED systems are provided, including kinetic illumination, precision illumination, a smart light bulb, a lighting entertainment system, a power/data protocol, a data delivery track, lighting components and sensor/feedback applications.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20000613



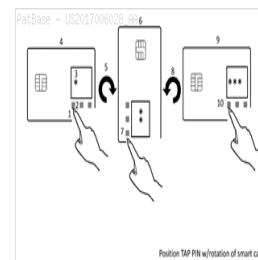
40) Family number: 64546165 (US2017006028A)

SYSTEM AND METHOD TO AUTHENTICATE ELECTRONICS USING ELECTRONIC-METRICS

Abstract: Source: US2017006028A A system for authenticating a first entity. The system comprises a storage component for storing a trained electronic-metric factor, a sensor for receiving an electronic-metric input from the first entity, an analysis component associated with a second entity for determining a first relationship between the trained electronic-metric factor and any electronic-metric input, and an authentication component for authenticating the first entity responsive to the first relationship.

Probable Assignee: NXT ID INC

Earliest Publication Date: 20170105



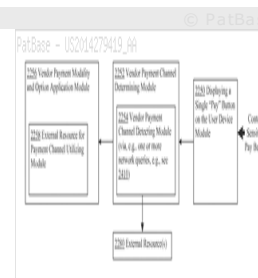
41) Family number: 57414234 (US2014279419A)

METHODS AND SYSTEMS FOR IMPLEMENTING VARIOUS TRANSACTIONAL ARCHITECTURES

Abstract: Source: US2014279419A A method substantially as shown and described the detailed description and/or drawings and/or elsewhere herein. A device substantially as shown and described the detailed description and/or drawings and/or elsewhere herein.

Probable Assignee: ELWHA LLC

Earliest Publication Date: 20140918



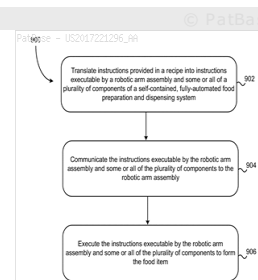
42) Family number: 66516917 (US2017221296A)

AUTOMATED PREPARATION AND DISPENSATION OF FOOD AND BEVERAGE PRODUCTS

Abstract: Source: US2017221296A In one embodiment, a system includes: a robotic arm assembly; a plurality of components arranged around the robotic arm assembly and positioned within reach of the robotic arm assembly; and a controller configured to control operation of the robotic arm assembly within the system. Each of the plurality of components is configured to either: store ingredients under predetermined environmental conditions; store food preparation tools; dispense ingredients; blend, cook, or assemble ingredients into a completed food item; provide cleaning functionality to the system and/or components thereof; provide user access to completed food items; or display information relevant to a food item or preparation thereof to users. Methods of using such systems to prepare and dispense food items are also disclosed, and generally include translating recipes into instructions executable by the robotic arm assembly and/or components of the system, communicating such instructions to the robotic arm assembly, and executing such instructions.

Probable Assignee: 6D BYTES INC

Earliest Publication Date: 20170803



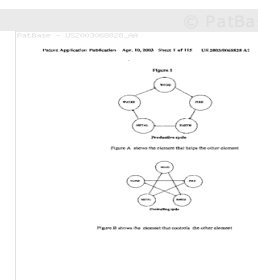
43) Family number: 44386394 (US2003068828A)

NOVEL METHOD FOR CHROMATOGRAPHIC FINGER PRINTING AND STANDARDIZATION OF SINGLE MEDICINES AND FORMULATIONS

Abstract: Source: US2003068828A The present invention provides a method for the chromatographic fingerprinting, chemical and therapeutic standardization, bar-coding of the fingerprints and preparation of a data base for Enterprise Resource Planning (ERP) and Customer Relationship Management (CRM) machines and applications of medicines in general and traditional medicines in particular; this invention includes a software based instrumental method and a novel method of fingerprinting and standardization is proposed for the above purpose and the said method for the chromatographic finger printing which facilitates to correlate the traditional therapeutic standardization methods with the chemical properties of the medicines and humors and provides a rational basis to understand the methods used for the said purpose.

Probable Assignee: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Earliest Publication Date: 20020613



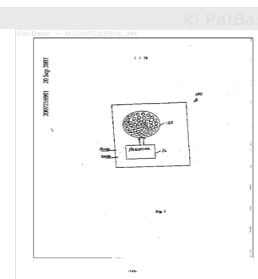
44) Family number: 40788321 (AU2007216901A)

DIGITALLY CONTROLLED ILLUMINATION METHODS AND SYSTEMS

Abstract: Source: AU2007216901A Provided herein are methods and systems for illumination. The methods and systems may include LED systems associated with a processor. Various environments and applications of processor-controlled LED systems are provided, including kinetic illumination, precision illumination, a smart light bulb, a lighting entertainment system, a power/data protocol, a data delivery track, lighting components and sensor/feedback applications.

Probable Assignee: COLOR KINETICS INC

Earliest Publication Date: 20071011



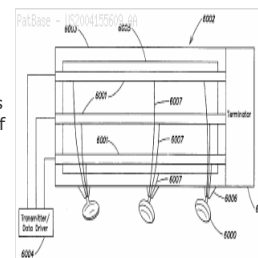
45) Family number: 1915075 (US2004155609A)

DATA DELIVERY TRACK

Abstract: Source: US2004155609A Track lighting methods and apparatus. In various examples, power and data are provided to a plurality of lighting fixtures via at least one pair of essentially rigid electrically conductive tracks that are mechanically coupled to an essentially rigid linear or curvilinear-shaped housing. The plurality of lighting fixtures includes at least one LED-based lighting fixture mechanically coupled to the housing, electrically coupled to the at least one pair of electrically conductive tracks, and configured to be responsive to the data.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20040812



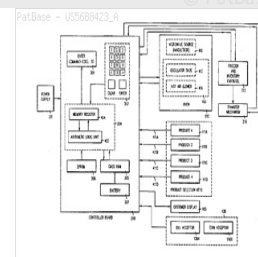
46) Family number: 30264431 (US5688423A)

VENDING MACHINE INCLUDING MULTIPLE HEAT SOURCES WITH PROGRAMMABLE COOK CYCLES

Abstract: Source: US5688423A In accordance with the present invention, a vending machine has one or more programmable cook cycles for use with one or more heat sources in cooking a food package to be dispensed to the customer. In one embodiment of this invention, each cook cycle includes a start time and a duration. Each cook cycle is associated with a heat source and a product code indicating the type of food to be cooked. Initially, cook cycles are copied into a random access memory from default cook cycles hard coded in the software program code and stored in electrically erasable programmable read only memory (EEPROM) of the vending machine controller. The cook cycles in RAM can be over written by an operator for the various type of foods to be cooked. The cook cycles in RAM are used by the vending machine to automatically cook a food product selected by a customer, without any further inputs.

Probable Assignee: KRH THERMAL SYSTEMS

Earliest Publication Date: 19960307



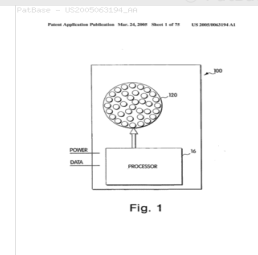
47) Family number: 31989291 (US2005063194A)

VEHICLE LIGHTING METHODS AND APPARATUS

Abstract: Source: US2005063194A Vehicle lighting methods and apparatus, in which an LED-based light source is configured to generate at least visible radiation associated with a vehicle. The light source is controlled such that the generated visible radiation has a variable color over a range of colors including at least three different perceivable colors. Examples of vehicles in which such methods and apparatus may be used include, but are not limited to, an automobile, airplane, boat, non-motorized vehicle, etc. The LED-based light source may be disposed inside the vehicle (e.g., dashboard, instrument panel) or outside the vehicle (e.g., brake lights, undercarriage lighting), and may be controlled to generate white light as one of the perceivable colors. A user interface may be employed to facilitate an adjustment of the variable color of the generated visible radiation. Additionally, information relating to at least one condition associated with the vehicle may be employed to control the LED-based light source such that the variable color of the generated visible radiation is based at least in part on the condition associated with the vehicle.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20050324



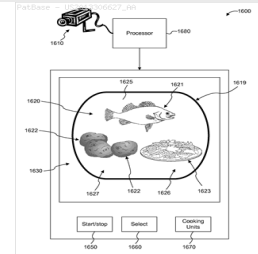
48) Family number: 51738218 (US2013306627A)

INTERFACE FOR CONTROLLING ENERGY APPLICATION APPARATUS

Abstract: Source: US2013306627A The present disclosure relates to an apparatus for processing objects with RF energy. The apparatus may include a display for displaying to a user an image of an object to be processed, the image including at least a first portion and a second portion of the object. The apparatus may also include an input unit and at least one processor configured to: receive information based on input provided to the input unit; and generate, based on the received information, processing information for use in processing the object to achieve a first processing result in the first portion of the object and a second processing result in the second portion of the object.

Probable Assignee: GOJI LTD

Earliest Publication Date: 20120816



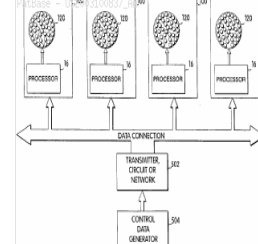
49) Family number: 1915053 (US2003100837A)

PRECISION ILLUMINATION METHODS AND SYSTEMS

Abstract: Source: US2003100837A Methods and systems are provided for illuminating various materials using an LED system. These methods and systems can be applied to a plurality of materials, including biological entities, and may be employed to effect one or more changes in the illuminated material. Exemplary systems may be particularly configured and suitable for use in medical applications, including diagnostic and therapeutic interventions.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20030529



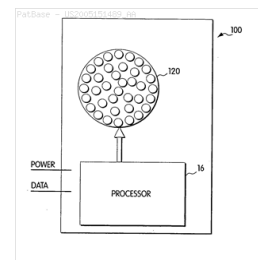
50) Family number: 43907719 (US2005151489A)

MARKETPLACE ILLUMINATION METHODS AND APPARATUS

Abstract: Source: US2005151489A Methods and apparatus for providing illumination in a marketplace. In one example, radiation comprising variable color light is generated using a plurality of LEDs. One or more articles in the marketplace are illuminated with the generated radiation, and the spectral content of the generated radiation is controllably varied over a period of time so that a customer of the marketplace perceives a change in color and/or an illusion of motion associated with the article(s) due to a selective color interaction between the generated radiation and the article(s). Examples of marketplaces include, but are not limited to, consumer environments, work environments, sporting environments, entertainment environments, retail establishments, restaurants, museums, art galleries and the like.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20050714



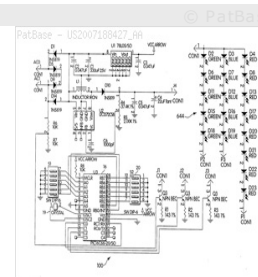
51) Family number: 43907744 (US2007188427A)

ORGANIC LIGHT EMITTING DIODE METHODS AND APPARATUS

Abstract: Source: US2007188427A Organic light emitting diode (OLED) methods and apparatus in which at least one first OLED generates first radiation having a first spectrum, and at least one second OLED generates second radiation having a second spectrum different from the first spectrum. In one example, an addressable controller is coupled to the first OLED and the second OLED for independently controlling a first intensity of the first radiation and a second intensity of the second radiation based on a network signal including lighting information for a plurality of light-generating apparatus. An OLED controller may be in communication with a user interface to control different OLED-generated spectrums in response to user operation of the user interface. In one aspect, a controller may be configured to implement a pulse width modulation (PWM) technique to control the OLEDs.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20070816



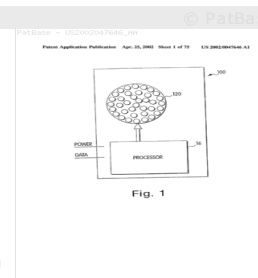
52) Family number: 1914958 (US2002047646A)

LIGHTING ENTERTAINMENT SYSTEM

Abstract: Source: US2002047646A Provided herein are methods and systems for signal processing for illumination control signals, which may include a decoder for decoding a combined signal and a connection for delivering a portion of the combined signal to an illumination source, which source is capable of generating an illumination condition from the portion of the combined signal. The system may also include an encoder for encoding the combined signal from and illumination control signal and a second signal. The combined signal may include any signal, such as a video signal, a radio frequency signal, an electrical signal, an infrared signal, an acoustic signal, and audio signal, and an optical signal. The encoder may send signals to the decoder by any known method or system, such as broadcast, cable, network, circuit, or the like. The system may include a controlled illumination source and another device, which may be any electrical device, such as an entertainment device. The device may be a television, a computer, a compact disc player, a stereo, a radio, a video cassette player, a DVD player, a toy, a CD-ROM drive, a film projector, a surround sound system, a dolby sound system, a THX sound system, and a tape player. The decoder may be connected to the controlled devices by any connection, such as a circuit, a network, a data bus, a cable, a wire, a radio frequency transmitter and receiver, an infrared transmitter and receiver, a broadcast transmitter and receiver, an optical transmitter and receiver, an acoustic transmitter and receiver, a microwave transmitter and receiver, and a circuit. The system may also include a signal generator for generating signal that controls the other device and an illumination control driver for generating the illumination control signal for the illumination source. The illumination source may be an LED system that is controlled by a microprocessor to vary at least one of the color and intensity of the illumination produced by the illumination source in response to the illumination control signal.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20020425



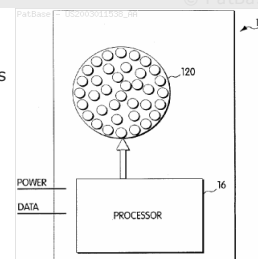
53) Family number: 1915041 (US2003011538A)

LINEAR LIGHTING APPARATUS AND METHODS

Abstract: Source: US2003011538A Linear lighting systems and methods. In one example, two or more lighting elements having an essentially linear or curvilinear shape are coupled together to form a lighting system. Each lighting element includes a group of LEDs arranged so as to illuminate the essentially linear or curvilinear shape of the lighting element. Each element may include LEDs to generate the same color light, and/or LEDs to generate light of different colors. Additionally, each element may include one or more controllers to control the LEDs so as to create a variety of temporal and/or color-oriented lighting effects. The controller(s) may employ one or more of a variety of control techniques to control the LEDs, such as those involving analog control signals or pulse-width modulated (PWM) control signals. The lighting elements of the system may each be configured as a "stand alone" unit working within the system, producing respective lighting effects that may or may not be coordinated with each other. Alternatively, two or more elements of the system may be configured as addressable lighting elements to facilitate coordination of the elements as a networked lighting system. Any of the foregoing linear lighting systems may be used in a variety of interior or exterior, as well as direct or indirect, lighting applications. In one example, such lighting systems are particularly well-suited as replacements or substitutes for neon lighting installations.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20030116



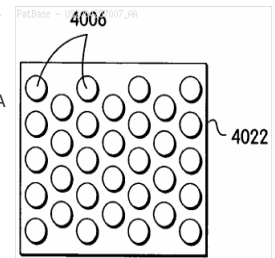
54) Family number: 1915088 (US2004257007A)

GEOMETRIC PANEL LIGHTING APPARATUS AND METHODS

Abstract: Source: US2004257007A Methods and apparatus for generating at least one variable color lighting effect over at least a two-dimensional observation area. In various examples, at least first radiation having a first spectrum and second radiation having a second spectrum different than the first spectrum are generated from a plurality of LEDs. One or more geometric panels are disposed with respect to the LEDs so as to at least partially diffuse the first radiation and the second radiation to provide a mixed spectrum when both the first radiation and the second radiation are generated. A first intensity of the first radiation and a second intensity of the second radiation are independently controlled at a plurality of graduated intensities from a minimum intensity to a maximum intensity so as to generate a variety of dynamic lighting effects over one or more two-dimensional observations areas covered by the one or more geometric panels.

Probable Assignee: SIGNIFY HOLDING BV

Earliest Publication Date: 20041223



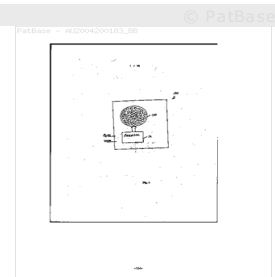
55) Family number: 1915158 (AU2004200183A)

DIGITALLY CONTROLLED ILLUMINATION METHODS AND SYSTEMS

Abstract: Source: AU2004200183A Provided herein are methods and systems for illumination. The methods and systems may include ED systems 120 associated with a processor 16. Various environments and applications of processor controlled ED systems are provided, including network illumination, precision illumination, a smart light bulb, a lighting entertainment system, a power/data protocol, a data delivery track, lighting components and sensor/feedback applications. /

Probable Assignee: COLOR KINETICS INC

Earliest Publication Date: 20040212



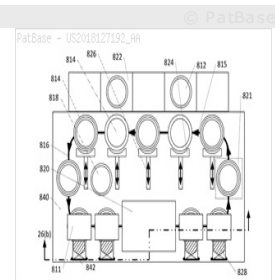
56) Family number: 69658831 (US2018127192A)

METHODS AND APPARATUS FOR AUTOMATED FOOD PREPARATION

Abstract: Source: US2018127192A Methods and apparatus for automatically preparing food for consumption in which preparation comprises dispensing, manipulation, heating, and other operations using a wide variety of ingredients. The methods and apparatus described use ingredients efficiently and maintain their quality, while avoiding contact between ingredients and apparatus to minimize the risk of system contamination.

Probable Assignee: INNNOVO LLC

Earliest Publication Date: 20180510



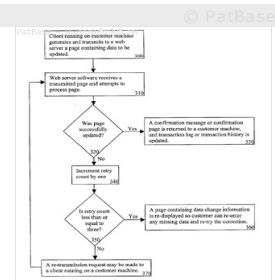
57) Family number: 32562187 (US2001051905A)

INVENTORY CONTROL SYSTEM AND METHODS

Abstract: Source: US2001051905A A system and method which allows third-parties to monitor company inventory via the Internet and World Wide Web ("web") and automatically order needed items. The present invention also provides a forum through which resellers and customers may directly interact to resell surplus and used equipment. The present invention may also allow a third party to act as a broker, thereby assuring that both the equipment purchased is actually delivered, and that the seller is properly compensated.

Probable Assignee: UNISONE CORP

Earliest Publication Date: 20010913



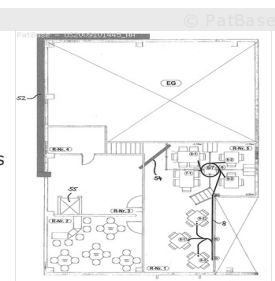
58) Family number: 34551791 (US2009101445A)

RESTAURANT SYSTEM

Abstract: Source: US2009101445A The invention relates to a restaurant system (2), comprising a) at least one working area (3) for cooking and/or preparing meals and/or beverages, b) at least one customer area (4), in particular with one or more tables (5) for restaurant customers, c) working area (3) and customer area (4) being connected via a transport system (6) for meals and/or beverages, d) the transport system (6) being designed to transport meals and/or beverages from the working area (3) to the customer area (4), and e) the transport of meals and/or beverages from the working area (3) to the customer area (4) via the transport system (6) taking place, at least in some sections, by means of gravity.

Probable Assignee: HEINEMACK GMBH

Earliest Publication Date: 20070614



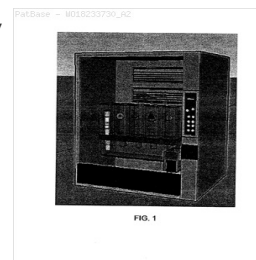
59) Family number: 72577865 (WO18233730A2)

VENDING MACHINE DISPENSING FRESH FRUIT AND/OR VEGETABLE SALADS

Abstract: The present invention relates to a vending machine that can be used to obtain a fresh fruit or vegetable salad, i.e. a salad that has not been preserved in any way. The machine comprises a preservation system that allows food stored in the machine, specifically fruits or vegetables, to remain fresh, by means of a temperature and humidity control system used for preservation purposes, thereby promoting healthy eating and supporting healthy lifestyle habits. The machine comprises a front control panel for receiving payment from the user and a mechanism for dispensing the product, allowing the fresh fruit or vegetable salad to be delivered to the end user in a suitable secure manner, preventing the salad from being damaged or falling onto the floor as a result of a fault. In addition, the vending machine of the present invention comprises a mechanism for collecting organic waste which can be re-used as compost.

Probable Assignee: INSTITUCION UNIV SALAZAR Y HERRERA

Earliest Publication Date: 20181227



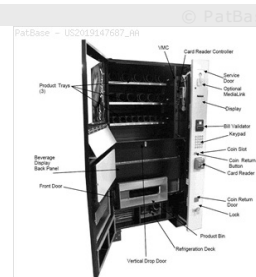
60) Family number: 74357685 (US2019147687A)

HEALTHY PRODUCT VENDING SYSTEMS AND METHODS

Abstract: Source: US2019147687A Systems and methods are disclosed for dispensing product by inserting a product into a container fitting dimensions of vending machine cans; removing air from the container and sealing the container; placing the container in a vertical drop column sized for the cans; and upon order, delivering the container with the product into a receptacle.

Probable Assignee: MEDURI VIJAY

Earliest Publication Date: 20190516



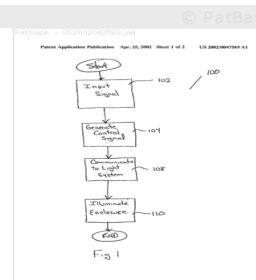
61) Family number: 1914953 (US2002047569A)

SYSTEMS AND METHODS FOR COLOR CHANGING DEVICE AND ENCLOSURE

Abstract: Source: US2002047569A A color-changing device which includes an enclosure at least a portion of which is material which is desired to change color. There is also included an illumination device, such as an LED or collection of LEDs which can illuminate the material. There can also be included a controller which can take some form of input, such as from a network, or a sensor, and can convert that input into a signal to control the illumination. There is also included a method for performing such color change.

Probable Assignee: SIGNIFY NORTH AMERICA CORP

Earliest Publication Date: 20020425



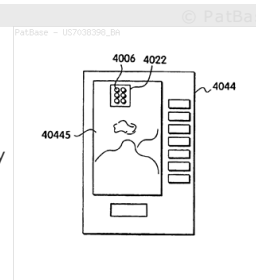
62) Family number: 43907752 (US7038398B)

KINETIC ILLUMINATION SYSTEM AND METHODS

Abstract: Source: US7038398B The present invention relates to methods of creating eye-catching displays by taking advantage of color-changing illumination provided by LED systems disclosed herein. Displays can be made to appear to change color or to move simply by changing the color of the light illuminating them. Also, the use of such light in projected is described. A vending machine, an article of clothing, and a container lit by these LED systems are specifically provided.

Probable Assignee: PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20060502



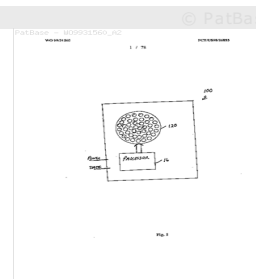
63) Family number: 1914747 (WO9931560A2)

DIGITALLY CONTROLLED ILLUMINATION METHODS AND SYSTEMS

Abstract: Provided herein are methods and systems for illumination. The methods and systems may include LED systems associated with a processor. Various environments and applications of processor-controlled LED systems are provided, including kinetic illumination, precision illumination, a smart light bulb, a lighting entertainment system, a power/data protocol, a data delivery track, lighting components and sensor/feedback applications.

Probable Assignee: COLOR KINETICS INC

Earliest Publication Date: 19990624



64) Family number: 1915157 (AU199919241A)

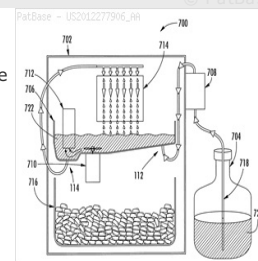
DIGITALLY CONTROLLED ILLUMINATION METHODS AND SYSTEMS

Earliest Publication Date: 19990705

65) Family number: 52218745 (US2012277906A)

METHOD AND APPARATUS FOR FLAVORED ICE MAKING

Abstract: Source: US2012277906A A method and system may make iced beverages containing flavored ice cubes made from a flavored beverage. The method and system may include dynamically altering a freeze-cycle of an ice maker to account for various parameters, such as freezer temperature. When freezer temperature rises above a set-point temperature, the freeze-cycle may be stopped, and only resumed once the freezer temperature returns to back below the set-point temperature. The freeze-cycle may be dynamically lengthened by the amount of time that the freezer temperature remains above the set-point temperature. The set-point temperature may be substantially below the freezing point of the beverage, which in turn may be below the freezing point of water, to ensure that the beverage is frozen into ice cubes at the completion of the freeze-cycle. In one embodiment, the flavored beverage may have a non-clear color, such as coffee, and the flavored ice cubes are coffee ice cubes.



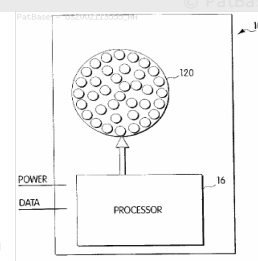
Probable Assignee: ORIGINAL BROOKLYN WATER BAGEL CO INC

Earliest Publication Date: 20121101

66) Family number: 1915011 (US2002113555A)

LIGHTING ENTERTAINMENT SYSTEM

Abstract: Source: US2002113555A Provided herein are methods and systems for signal processing for illumination control signals, which may include a decoder for decoding a combined signal and a connection for delivering a portion of the combined signal to an illumination source, which source is capable of generating an illumination condition from the portion of the combined signal. The system may also include an encoder for encoding the combined signal from and illumination control signal and a second signal. The combined signal may include any signal, such as a video signal, a radio frequency signal, an electrical signal, an infrared signal, an acoustic signal, and audio signal, and an optical signal. The encoder may send signals to the decoder by any known method or system, such as broadcast, cable, network, circuit, or the like. The system may include a controlled illumination source and another device, which may be any electrical device, such as an entertainment device. The device may be a television, a computer, a compact disc player, a stereo, a radio, a video cassette player, a DVD player, a toy, a CD-ROM drive, a film projector, a surround sound system, a dolby sound system, a THX sound system, and a tape player. The decoder may be connected to the controlled devices by any connection, such as a circuit, a network, a data bus, a cable, a wire, a radio frequency transmitter and receiver, an infrared transmitter and receiver, a broadcast transmitter and receiver, an optical transmitter and receiver, an acoustic transmitter and receiver, a microwave transmitter and receiver, and a circuit. The system may also include a signal generator for generating signal that controls the other device and an illumination control driver for generating the illumination control signal for the illumination source. The illumination source may be an LED system that is controlled by a microprocessor to vary at least one of the color and intensity of the illumination produced by the illumination source in response to the illumination control signal.



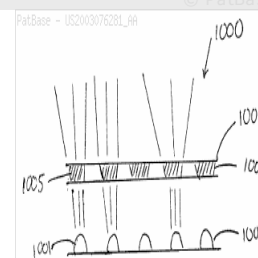
Probable Assignee: COLOR KINETICS INC

Earliest Publication Date: 20020822

67) Family number: 1915052 (US2003076281A)

DIFFUSE ILLUMINATION SYSTEMS AND METHODS

Abstract: Source: US2003076281A The systems and methods disclosed herein relate to sources of diffuse illumination for providing substantially uniform illumination to a surface. The diffuse illumination arises from varying the diffusion angle of light generated by an LED system. To vary the diffusion angle, a translucent member is placed between the LED system and the surface. Light emitted from the LED system across the translucent member can subsequently can uniformly cover the surface.



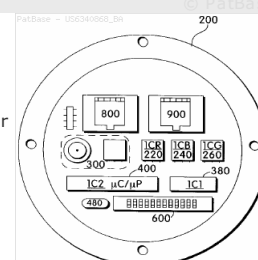
Probable Assignee: PHILIPS SOLID STATE LIGHTING SOLUTIONS INC

Earliest Publication Date: 20030424

68) Family number: 1915122 (US6340868B)

ILLUMINATION COMPONENTS

Abstract: Source: US6340868B Disclosed herein is a current control for a lighting assembly, which may be an LED lighting assembly, which may be a pulse width modulated ("PWM") current control or other form of current control where each current-controlled unit is uniquely addressable and capable of receiving illumination color information on a computer lighting network. In an embodiment, the invention includes a binary tree network configuration of lighting units (nodes). In another embodiment, the present invention comprises a heat dissipating housing, made out of a heat-conductive material, for housing the lighting assembly. The heat dissipating housing contains two stacked circuit boards holding respectively the power module and the light module. The light module is adapted to be conveniently interchanged with other light modules.

**Probable Assignee:** PHILIPS LIGHTING NORTH AMERICA CORP

Earliest Publication Date: 20020122

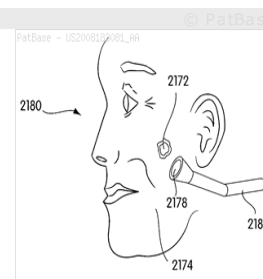
69) Family number: 42069156 (US2008183081A)

PRECISION ILLUMINATION METHODS AND SYSTEMS

Abstract: Source: US2008183081A Methods and systems are provided for illuminating various materials using an LED system. These methods and systems can be applied to a plurality of materials, including biological entities, and may be employed to effect one or more changes in the illuminated material. Exemplary systems may be particularly configured and suitable for use in medical applications, including diagnostic and therapeutic interventions.

Probable Assignee: PHILIPS SOLID STATE LIGHTING SOLUTIONS INC

Earliest Publication Date: 20080731



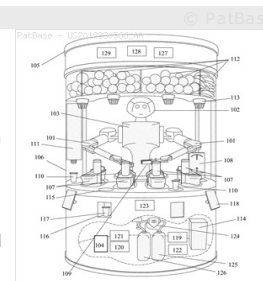
70) Family number: 71886339 (US2018330566A)

AUTOMATED VENDING MACHINES FOR MAKING JUICE PRODUCTS AND COTTON CANDY

Abstract: Source: US2018330566A An apparatus for making and vending juice products and a method for making and vending juice products are disclosed. The invention comprises one or more robotic manipulator arms which move automatically to produce a final product based on an algorithm contained within a program based on an order made by a consumer. The robotic manipulator arms comprise hands or other means for grabbing and transferring materials. The housing of the apparatus comprises solid transparent surfaces such that the interior of the apparatus comprising the robotic manipulator arms is visible from an exterior perspective. The robotic manipulator arms perform actions such as transferring produce from storage to juicer, transferring beverage containers from dispensers to juicers, combining juices, and delivering a finished product to a consumer. An apparatus for making and vending cotton candy products and a method for making and vending cotton candy products are also disclosed.

Probable Assignee: ROBOTSFOODS CORP

Earliest Publication Date: 20181115



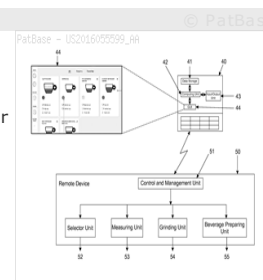
71) Family number: 61742708 (US2016055599A)

SYSTEM AND METHOD TO OBTAIN AND OPTIMIZE MIXTURES FOR PREPARING BEVERAGES

Abstract: Source: US2016055599A A device to produce personalized mixtures of substances is configured to be controlled by computer program code running on a user terminal. The computer program code enables a user of the user terminal to create and personalize the formulas for optimizing the beverage according to the specific needs of the user and order the beverages from a remote location.

Probable Assignee: ILLYCAFFE CON UNICO SOCIO SPA

Earliest Publication Date: 20160225



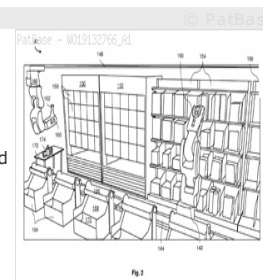
72) Family number: 74966173 (WO19132766A1)

AUTOMATIC VENDING STORE

Abstract: An automatic vending store for dispensing one or more items or products to a consumer comprises a storage section, a picker and a collection trough. The storage section further comprises a plurality of storage compartments for storing different temperature sensitive items. A vending technician replenishes a plurality of item by scanning a machine readable code of the item and placing the said items at designated storage compartments. The picker picks the items and placed the items according to a set of predetermined instructions to the appropriate storage compartments.

Probable Assignee: XU ENQI

Earliest Publication Date: 20190704



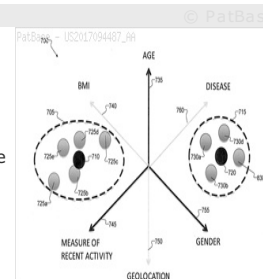
73) Family number: 65319625 (US2017094487A)

AUTOMATIC CONSTRUCTION OF PERSONALIZED, PEER-DERIVED MESSAGES FOR MOBILE HEALTH APPLICATIONS

Abstract: Source: US2017094487A A method is implemented by at least one server. The method includes obtaining a set of users as a function of profile records regarding a plurality of users. The method includes defining a subset of the users as a peer group based on peer group formation features by applying a clustering algorithm to profile records of the set of users. The method includes calculating a peer group metric value for the peer group based on behaviors of the subset of users in the peer group. The method includes calculating a user metric value for a target-user included in the subset based on behavior of the target-user. The method includes constructing a message relating the patient metric value to the peer group metric value.

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Earliest Publication Date: 20170330



74) Family number: 32134496 (US2007288217A)

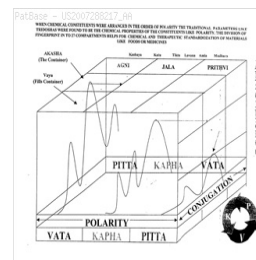
METHOD FOR STANDARDIZATION OF CHEMICAL AND THERAPEUTIC VALUES OF FOODS AND

MEDICINES USING ANIMATED CHROMATOGRAPHIC FINGERPRINTING

Abstract: Source: US2007288217A The present invention provides a method of standardization of chemical and therapeutic properties and quality of foods and medicines. The present invention provides a method of chromatographic finger printing facilitating correlation of traditional methods used for chemical and therapeutic standardization of medicines and humors in the living things with physico chemical properties of the medicines and their constituents. The method is used for the qualitative and quantitative analysis of the energy involved in the medicines and living things and to understand various bio chemical reactions in living things using an energy system. It provides a rational basis to understand the traditional methods of assessment of chemical and therapeutic qualities of materials used for the said purpose. The present invention also provides the influence, of factors like pH, temperature, viscosity and ionic nature of the media along with atomic and molecular properties indicating the chemical and therapeutic values of the foods and medicines of natural and synthetic nature. The analysis of biological samples like blood indicated the utility of the method for the assessment of clinical pathological conditions of healthy and diseased. This facilitates for a better drug discovery, drug monitoring, drug targeting and drug profiling using different features of 3-D energy box created after analyzing the sample by different analysis, separation and detection methods.

Probable Assignee: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Earliest Publication Date: 20050811



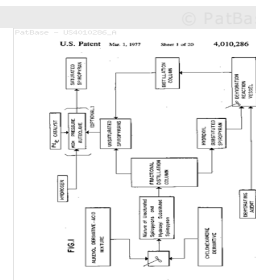
75) Family number: 4897118 (US4010286A)

FLAVORING WITH 4-METHYL-1-OXASPIRO(5.5)UNDECANE

Abstract: Source: US4010286A Methods for preparing foodstuffs, flavoring compositions for foodstuffs, chewing gum and flavoring compositions for chewing gums by including therein 4-methyl-1-oxaspiro[5.5]undecane.

Probable Assignee: INT FLAVORS AND FRAGRANCES INC

Earliest Publication Date: 19770301



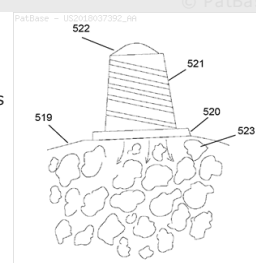
76) Family number: 63000451 (US2018037392A)

METHOD AND SYSTEM FOR PROCESSING AND/OR FLAVOURING FOODSTUFFS

Abstract: Source: US2018037392A The present invention relates to the field of processing and/or flavouring foodstuffs. In one aspect of invention there are methods and/or devices related to foodstuff suitable for popping, such as kernels, as well as flavouring foodstuffs. In another aspect of invention there is provided a method of and/or device for providing flavouring into a sealed container, comprising providing a container, providing a pod having flavouring therein, attaching the pod to the container, and using the pod to deliver the flavouring into the container. In yet another aspect, there is provided a pod adapted to provide flavouring to foodstuff and/or a method therefor, comprising a housing adapted to holding at least one flavouring, a piercing element, provided within the pod, an attachment mechanism for attaching the pod to a bag or container, and a frangible surface operative in use with the piercing element.

Probable Assignee: LUMINUTTY PTY LTD

Earliest Publication Date: 20160728



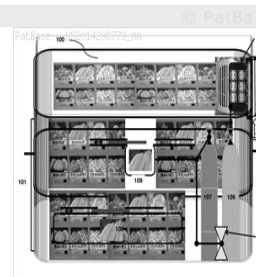
77) Family number: 57086691 (US2014208779A)

SYSTEMS AND METHODS FOR EXTENDING THE FRESH LIFE OF PERISHABLES IN THE RETAIL AND VENDING SETTING

Abstract: Source: US2014208779A The present disclosure relates to mechanically refrigerated retail and vending display systems and methods or use for extending the shelf-life of perishable products in the retail or vending setting. This is accomplished by maintaining an appropriate modified and controlled atmosphere (MA/CA) environment for the perishable product in a retail or vending display unit. The systems and methods of the invention maintain the MA/CA environment for a time period of 10 days or longer, wherein the marketable shelf-life of a perishable product is at least doubled. The systems may also operate in a power generation/power production mode, such that the fuel cells maintain the MA/CA environment while providing both primary and/or back-up power.

Probable Assignee: FRESH FOOD SOLUTIONS LLC

Earliest Publication Date: 20140731



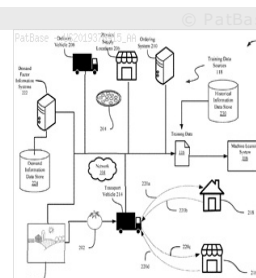
78) Family number: 76792159 (US2019370915A)

FARM AND MOBILE MANUFACTURING

Abstract: Source: US2019370915A The present technology relates to systems and methods for utilizing machine learning systems to improve farming and manufacturing in the food industry. For example, a method of the technology includes receiving, by the computational system, historical order information representative of a plurality of instances of historical orders for one or more prepared food items. The method also includes training a machine learning system based at least in part on the received historical order information. In addition, the method includes, for prepared food items, predicting, via the trained machine learning system of the computational system, an amount of future supply need of one or more ingredients for the prepared food items for a defined period of time in the future.

Probable Assignee: ZUME INC

Earliest Publication Date: 20191205



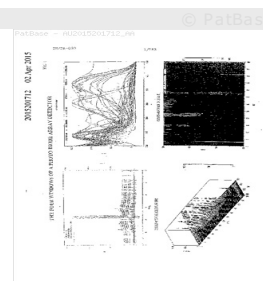
79) Family number: 50498365 (AU2013205265A)

A METHOD OF STANDARDIZATION OF CHEMICAL AND THERAPEUTIC VALUES OF FOODS AND MEDICINES USING ANIMATED CHROMATOGRAPHIC FINGERPRINTING

Abstract: Source: AU2013205265A The present invention provides a method of chromatographic fingerprinting facilitating assessment of chemical and therapeutic properties of foods and traditional medicines useful for chemical and therapeutic standardisation. It provides the influence of factors like pH, temperature, 5 viscosity and ionic nature of the media along with atomic and molecular properties indicating the chemical and therapeutic values of the foods and medicines of natural and synthetic nature. The analysis of biological samples like blood indicated the utility of the method for the assessment of clinical pathological conditions of healthy and diseased and facilitates drug discovery, drug monitoring, drug targeting and drug profiling using different features of 3-D animated energy box 0 created after analysing the sample by different analysis, separation and detection methods.

Probable Assignee: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Earliest Publication Date: 20110714



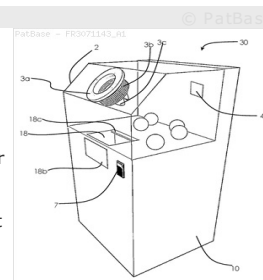
80) Family number: 73828839 (FR3071143A)

DISTRIBUTEUR SEMI-AUTOMATIQUE DE DENREES ALIMENTAIRES SEMI-AUTOMATIC DISTRIBUTOR OF FOODSTUFFS (MACHINE TRANSLATION)

Abstract: Source: FR3071143A L'invention concerne un distributeur semi-automatique (30) de denrees qui comporte: - un magasin de stockage, protege par une paroi (2) au moins en partie transparente, - un moyen de verrouillage verrouillant le magasin de stockage, - un rond de gant (3a) agence en travers de la paroi (2), - un manchon (3b) fixe sur le pourtour du rond de gant (3a) et comportant a son extremite un gant (3c), et - une zone de collecte (18) amenee dans le magasin de stockage et comportant une trappe (18c) ouvrant vers l'exterieur du magasin de stockage, de sorte que, le magasin de stockage protege des denrees par exemple contre le vol et les contaminations, un utilisateur pouvant introduire sa main dans le manchon afin de palper et selectionner une denree avant de l'acheter. L'invention concerne egalement un procede d'utilisation d'un distributeur semi-automatique de denree selon l'invention. The invention relates to a semi-automatic dispenser (30) that comprises: - a store for foodstuff storage, which is protected by a wall (2) at least partially transparent, - a locking means locking the storage store, - a round of glove (3a) arranged across the wall (2), - a sleeve (3b) attached to the perimeter of the glove round (3a) and comprising at its end a glove (3c), and - a collection zone (18) provided in the store, storing and comprising a flap (18c) opening toward the exterior of the storage store, so that the storage store shielded from foodstuff, for example against theft and contaminations, a user can introduce his hand in the Sleeve to probing and selecting a denree before buying it. The invention also relates to a method of operating a semi-automatic distributor of denree according to the invention.

Probable Assignee: THEOBALD MIKE

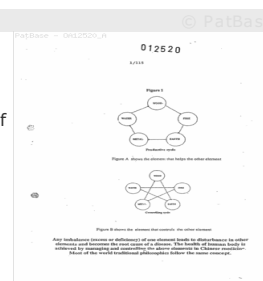
Earliest Publication Date: 20190322



81) Family number: 33369828 (OA12520A)

A NOVEL METHOD CHROMATOGRAPHIC FINGER PRINTING ANDSTANDARDIZATION OF SINGLE MEDICINES AND FORMULATI ONS.

Abstract: Source: OA12520A [Source: Claim 1] 1. A method for detection and identification of constituents of extracts of plants or animal, natural or synthetic sources possessing medicinal value using chromatographic fingerprinting techniques, the said method comprising steps of: i) extracting organic or organo-metallic compounds from plants or animal, natural or synthetic sources using a suitable solvent; ii) subjecting the extract obtained in step (i) to separation based on pH and polarity, using High Pressure Liquid Chromatography techniques; x. generating contour and 3D chromatograms of the constituents eluted in step (ii); xi. converting the 3-D and contour chromatogram obtained into a colored image, analyzing the colored image for its individual colors using the co-ordinates denoting all its 3-dimensional properties of the said image by using an in-built software; xii. denoting the concentrations of the various constituents eluted with time; xiii. generating a chromatogram based on color analyzed, having peaks at various retention times along with conjugative properties of the constituents; xiv. identifying the compounds in the said eluted constituents by the UV-VIS absorptive properties of the various compounds in the - image, identifying, determining and classifying the compounds eluted as polar, medium polar and less or non-polar based on the polarity and conjugative properties; xv. generating a barcode for a selected peak using X axis as Retention Time, Y axis as Wavelength, R as number of Red Pixels, G as number of Green Pixels and B as number of Blue Pixels; and xvi. generating a database of fingerprints and barcodes and identifying the respective compounds of the extract. 2. A method as claimed in claim 1 wherein, the solvents with different polarities are used based on the hydrophilic and hydrophobic nature of the constituents of sample under study, and ethyl alcohol as solvent being used for standardization of medicinal extract. 3. A method as claimed in claim 1 wherein, the fingerprints are developed for the same medicinal extract under different pH ranges. 4. A method as claimed in claim 1 wherein, the HPLC techniques used is by employing any commercially available HPLC apparatus with the Photo Diode Array detector, preferably with a gradient or ternary system of pumps. 5. A method as claimed in claim 1 wherein, the pH and polarity of the mobile phase is controlled by varying the ratio of the mixture 0 to 100 percent of an aqueous solvent, water or a buffer at a required pH by using a salt such as Potassium Di- Hydrogen orthophosphate or Di potassium hydrogen orthophosphate and phosphoric acid maintaining the required pH, with a non-aqueous solvent. 6. A method as claimed in claim 1 wherein, the solvent used in step (iii) is selected from a group consisting of non-aqueous, organic and aqueous, water or buffer at a known pH, and are selected based on the range of polarity. 7. A method as claimed in claim 1 wherein, convert the contour chromatograms into a colored image consisting of conjugative and polarity properties of the constituents of the medicinal extract under study. 8. A method as claimed in claim 1 wherein, the therapeutic efficacy of a medicinal extract (single or formulated) is assessed using the quality of the constituents present in a particular polarity and UV-VIS absorptive zone. 9. A method as claimed in claim 1 wherein, the software generates a barcode for a selected peak or peaks or image using the X axis as Retention Time, Y axis as Wavelength, R as number of Red Pixels, G as number of Green Pixels and B as number of Blue Pixels as the coordinates, provided by the software, which makes the product propriety for an industry. 10. A software called "Rainbow" for detection and identification of extracts of plants or animals, natural or synthetic sources possessing medicinal values obtained as claimed in claim 1 has the following features: (a) a software with a facility of opening chromatographic fingerprint images in different Formats (extensions) like BMP, JPEG, TIF, GIF from the file folders and analyze it for different colors present in the image with single pixel sensitivity; (b) a software with a facility of display of the pixel information in the form of (i). a graph having a scale of X (0-(min. time scale) and Y (200- 800nm) coordinates and (2). a Pie diagram with individual values of each peak (Automatic and Manual) in two separate columns beside the graph; (c) a software with a facility of printing all the data generated after analysis using PRINT Icon; (d) a software with a facility of changing the page setup for printing using PAGE SETUP Icon; (e) a software with a facility of selecting a part of the image and analyze using RESIZE Icon; (f) a software with a facility of opening any number of image analysis windows for different images, and display of status in WINDOW icon; (g) a software with a facility of dividing the image in to three Zones at 20 min interval, using ZONE icon; (h) a software with a facility of inverting the selected image using INVERT icon; (i) a software with a facility of switching over to Notepad, Word pad and MS Word, using EDITOR icon; (j) a software with a facility of



operational information about various features of the Software using the HELP icon; and (k) a software with a facility of saving the data generated using SAVE AS icon as, JPEG file format. A software as claimed in claim 10, is used for processing of 3 D chromatograms and color contour image of extracts of plants or animals, natural or synthetic sources possessing medicinal values, the said software execution process comprising steps of: a. generating a coloured contour image of extract of step (a), analyzing the colored contour image based on the selection of various colors (with standards mentioned in release notes, life cycle, processing) denoting the C\(\lambda\)' 012520 concentrations of the various constituents eluted with time, and polarity based on retention time; b. analyzing the 3-D chromatograms of the eluted constituents using all its 3 dimensional properties of the image; c. generating a chromatogram having peaks at various retention times along with conjugative properties of the constituent compounds eluted with time in a specified order of polarity; d. identifying compounds in the said eluted constituents by the UV-VIS absorptive properties of the various constituents in the image; e. correlating the reported biological, therapeutic activity of the various eluted constituents present in the extract understudy based on the polarity and the conjugative properties of the eluted constituents by dividing the fingerprint into therapeutic zones on X and Y axis; f. generating a barcode for a selected peak(s) using the image coordinates viz., X for retention time, Y for wavelength, R for number of red pixels, G for number of green pixels and B for number of blue pixels, provided by the software; g. generating a database of fingerprints and barcodes for the eluted constituents, facilitating all kinds of database utilities like Enterprise Resource Planning (ERP) and Customer Resource Management (CRM) applications; and h. generating a database of the 'display widows' for all the eluted constituents to be used by the ENTERPRISE RESOURCE PLANNING (ERP) and CUSTOMER RELATIONSHIP MANAGEMENT (CRM) type of business applications. 12. A software as claimed in claim 11 uses solvent for extraction, which is selected based on the polarity, hydrophilic and hydrophobic nature of the constituents present in the plant, plant or animal, natural or synthetic in origin having medicinal value. 13. A software as claimed as claimed in claim 11 wherein, the HPLC apparatus used is selected from any commercially available HPLC apparatus with the -(20 - 012520 Photo Diode Array detector, preferably with a gradient or ternary system of pumps, A software as claimed in claim 11 wherein, the polarity of the mobile phase of a non-aqueous and an aqueous solvent of a specific pH is controlled by varying the ratio of the mobile phase from 0 percent to 100 percent of an aqueous solvents like water or a buffer of a known pH, along with a non-aqueous solvent or vice-versa. A software as claimed in claim 11 wherein, on analysis of 3-D and contour chromatograms provide a chromatogram with retention time and wavelength on its X and Y-axis. A software as claimed in claim 11, wherein, on analysis of 3-D and contour chromatograms provide a data indicating the vitiation of doses quantitatively in percentage ratio. A software as claimed in claim 11, uses a single solvent ethanol for extracting the constituents; analytical conditions and instrumental parameters for all extracted constituents to bring the therapeutic generalizations there by achieving the therapeutic standardization. A computational method of chromatographic finger printing, chemical and therapeutic standardization and bar coding of organic and organo-metallic molecules from a plant, animal or a naturally available or man made materials used as medicines, said method comprising: a) selecting plant, animal or a naturally available or man made materials which possess medicinal value, and extracting the constituents, b) separating the constituents into individual compounds, generating and converting the 3-D and contour chromatograms into fingerprints, c) analyzing the fingerprints using the software developed, and d) interpreting the data. A method as claimed in claim 1 wherein, in step (iv) provides an in-built software for the chemical analysis of constituents present in the extract under study and their conjugative and polarity properties indicating the therapeutic ~ \(\lambda\)' 012520 efficacy as per the traditional concepts of the medicine using the new software developed. 20. A method as claimed in claim 1 wherein, in step (iv), the software provides a novel concept for obtaining chromatographic finger printing of material having medicinal value for the quick identification of the actual profile of the compounds present in the medicine under use along with their therapeutic efficacy of the constituents. 21. A method as claimed in claim 1 wherein, in step (iv), the software provides a novel chromatographic finger printing developed on a Photo Diode Array Detector (PDA) of a High Pressure Liquid Chromatograph, which, delineates the data of the spectral properties of the constituents present in the material having medicinal value presented in a specific order of polarity under similar experimental analytical conditions. 22. A method as claimed in claim 1 wherein, in step (vii) "The Chromatographic Fingerprint", obtained provides the blue print of the constituents present in a material for an assay and quick identification of the medicinal extract understudy. 23. A method as claimed in claim 1 wherein, same standard analytical parameters like extraction with same solvent ethyl alcohol, same run time 0-60min, same mobile phase acetonitrile along with phosphate, buffer having a pH in the range of 5.5-7.5, and a same UV-Visible Range of 200-800nm for fingerprinting and chemical and therapeutic standardization. 24. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained is used for the study of adulterated, substituted, contradictory and commercial food and drug samples and to identify the pure and impure. 25. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained is used for identifying the chemical constituents present in it for the purpose of process standardization, quality control activities and therapeutic standardization of Allopathic, Ayurvedic, Homoeo, Siddha, Unani, Chinese, Tibetan, Kampo (Japanese) medicines. -ioa- 0125 2-0 A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained is used for the study of variation of chemical constituents due to various ecological factors, geological factors, genotypic and phenotypic variations (in plants) in naturally occurring samples and to identify and standardize the chemical constituents in them. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained is used for the study of chemical constituents in synthetically prepared samples and to identify and standardize the chemical constituents in them for chemical and therapeutic standardization which ever is applicable. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained is used for the study of chemical constituents in herbal products of single medicine samples and to identify the chemical constituents in them for chemical and therapeutic standardization. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained is used for the study of chemical constituents in herbal products of formulated medicine samples and to identify the chemical constituents in them for chemical and therapeutic standardization. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained is used for the study of variation of chemical constituents in biological samples and to identify and standardize the chemical constituents in them. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained is used for the study of variation of chemical constituents in different brands of products of single and formulated food and medicine samples and to identify the chemical constituents in them for chemical and therapeutic standardization. A method as claimed in claim 1 wherein, preparation of a database of a large number samples gives many generalizations of the therapeutic efficacy of a particular group of plants, classified as a group for a particular disease or therapeutic classification. 33. \(\lambda\)' 012520 A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained for medicines facilitates to categorize and quantify the constituents of a medicine based on polarity and conjugation from 3-D and contour chromatograms and assess the therapeutic efficacy of the medicine on which humors it is going to act (vitiates). 34. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained enables to understand and standardize the Physico- Chemical properties of the medicines like color for the use of therapeutic standardization of medicines and humors using conjugative and polarity properties given in the chromatographic fingerprints. 35. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained enables to understand and standardize the Physico- Chemical properties of the medicines like Tastes (Rasa) like Sour, Salty, Pungent, Bitter, Astringent (Amla, Lavana, Katu, Tikta, Kashaya as described in Ayurveda) used for therapeutic standardization using conjugative and polarity properties shown in the chromatographic fingerprints. 36. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained enables to understand and standardize the Physico- Chemical properties of the medicines like Property, Potency, Metabolite, Specific properties like Chirality of the molecules (Guna, Veerya Vipaka, Prabhava) used for the therapeutic standardization using conjugative and polarity properties of the individual constituents and the whole medicine shown in the chromatographic fingerprints. 37. A method as claimed in claim 1 wherein, in step (ix), the fingerprint chromatograph obtained enables to understand and standardize the Physico- Chemical properties (Gunas) of the medicines like Cold, Hot, Slow in action, Sharp in action, Heavy, Light, Soft Lubricated Supple, Dry (Sheeta, Ushna, Manda, Teekshna, Guru, Laghu, Snigdha, Rooksha as described in Ayurveda) used for the therapeutic standardization using conjugative and polarity properties of the medicinal extract shown in chromatographic fingerprints. ICXf 012520 A software as claimed in claim 10 is used as a data processor of 3 D chromatograms and color contour image of an ingredient, said processor comprising computing means and; i) an analyzer (extracting colors) for analyzing the colored contour image based on the selection of various colors (with standards mentioned in release notes, life cycle, processing)

denoting the concentrations of the various constituents eluted with time, and polarity based on retention time; ii) an analyzer for analyzing the 3-D chromatograms of the medicinal extract using all its 3 dimensional properties of the image; iii) a means for generating a chromatogram having peaks at various retention times along with conjugative properties of the compounds eluted with time in a specified order of polarity; iv) an identifier for identifying the compounds in the said molecules by the UV-VIS absorptive properties of the various eluted constituents in the image; v) a means for correlating the reported biological, therapeutic activity of the of various eluted constituents present in the medicinal sample understudy based on the polarity and the conjugative properties of the molecules by dividing the fingerprint into therapeutic zones on X and Y axis;. vi) a means for generating a barcode for a selected peak(s) using the image coordinates viz., X for retention time, Y for wavelength, R for number of red pixels, G for number of green pixels and B for number, of blue pixels, provided by the proposed software; vii) a means for generating a database of fingerprints and barcodes for the samples, facilitating all kinds of database utilities like Enterprise Resource Planning (ERP) and Customer Resource Management (CRM) applications; and viii) a means for generating a database of the 'display widows' for all the samples to be used by the ENTERPRISE RESOURCE PLANNING - lot) - 012520 (ERP) and CUSTOMER RELATIONSHIP MANAGEMENT (CRM) type of business applications A processor as claimed in claim 38 wherein, the HPLC apparatus used is selected from any commercially available HPLC apparatus with the Photo Diode Array detector, preferably with a gradient or ternary system of pumps. A processor as claimed in claim 38 wherein, the polarity of the mobile phase of a non-aqueous and an aqueous solvent of a specific pH is controlled by varying the ratio of the mobile phase from 0 percent to 100 percent of an aqueous solvents like water or a buffer of a known pH, along with a non-aqueous solvent or vice- versa. A processor as claimed in claim 38 wherein, on analysis of 3-D and contour chromatograms that gives a chromatogram with retention time and wavelength on its X and Y-axis. A processor as claimed in claim 38 wherein, on analysis of 3-D and contour chromatograms using new software, which gives a data having indicated the vitiation of doshas quantitatively in percentage ratio. A processor as claimed in claim 38 wherein, a single solvent ethanol is used for extraction of the constituents; same analytical conditions and instrumental parameters were used for all samples to bring the therapeutic generalizations to achieve the therapeutic standardization A processor as claimed in claim 38 wherein, the software Rainbow is having following features: (a) a software with a facility of opening chromatographic fingerprint images in different Formats (extensions) like.BMP, JPEG, TIF, GIF from the file folders and analyze it for different colors present in the image with single pixel sensitivity; (b) a software with a facility of display of the pixel information in the form of 1. a graph having a scale of X (0-(min. time scale) and Y (200-800nm) coordinates and 2. a Pie diagram with individual values of each peak (Automatic and Manual) in two separate columns beside the graph; (c) software with a facility of printing all the data generated after analysis using PRINT Icon; - i O G 012520 (d) a software with a facility of changing the page setup for printing using PAGE SETUP Icon; (e) a software with a facility of selecting a part of the image and analyze using RESIZE Icon; (f) a software with a facility of opening any number of image analysis windows for different images, and display of status in WINDOW icon; (g) a software with a facility of dividing the image in to three Zones at 20 min interval, using ZONE icon; (h) a software with a facility of inverting the selected image using INVERT icon; (i) a software with a facility of switching over to Notepad, Word pad and MS Word, using EDITOR icon; (j) a software with a facility of operational information about various features of the Software using, the HELP icon; and (k) software with a facility of saving the data generated using SAVE AS icon as JPEG file format. Use of fingerprints of contour and 3 -D chromatograms of the constituents as claimed in any of the proceeding claims are the basis for identification of chemical constituents.

Probable Assignee: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Earliest Publication Date: 20060530

82) Family number: 71541113 (US2018297310A)

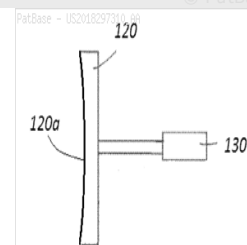
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PRESS

Abstract: Source: US2018297310A A press is used to extract juice from food matter contained within a cartridge. The cartridge is compressible by the press and juice can be expelled through a cartridge outlet extendible through the press region.

Probable Assignee: JUICERO INC

Earliest Publication Date: 20181018



83) Family number: 71541114 (US2018297309A)

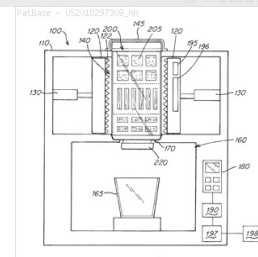
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PRESS

Abstract: Source: US2018297309A A press is used to extract juice from food matter contained within a cartridge. The cartridge is compressible by the press and juice can be expelled through a cartridge outlet extendible through the press region.

Probable Assignee: JUICERO INC

Earliest Publication Date: 20181018



84) Family number: 32133462 (US2007172611A)

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HOLLOW CONTAINER AND PROCESS FOR PRODUCING THE SAME

Abstract: Source: US2007172611A There is provided a multilayer hollow container having a laminar structure including a PGA resin and a co-laminated resin, such as an aromatic polyester resin, that takes advantage of the gas-barrier property of the PGA resin layer to the utmost and is suitable for bottles of a small volume required to exhibit a higher level of gas-barrier property. The multilayer hollow container has a co-stretched multilayer wall structure including a layer of a polyglycolic acid resin comprising at least 60 weight percent of recurring unit represented by a formula of $-(O.CH_2.CO)-\dots$ (1), and a layer of co-laminated resin comprising an aromatic polyester resin or an aliphatic polyester resin other than polyglycolic acid resin laminated on at least one surface of the polyglycolic acid resin layer, and satisfying a formula of: Txw/v less than or equal to $0.8 \times 10^{-3} \dots$ (2), wherein T represents an oxygen gas permeability (ml/container/day/atm), v represents a volume (ml) of the container, and w represents a content (weight percent) of the polyglycolic acid resin with respect to a whole weight of the container.

Probable Assignee: KUREHA CORP

Earliest Publication Date: 20050811

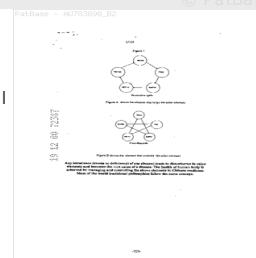
85) Family number: 23560950 (AU783898B)

A NOVEL METHOD FOR CHROMATOGRAPHIC FINGER PRINTING AND STANDARDIZATION OF SINGLE MEDICINES AND FORMULATIONS

Abstract: Source: AU783898B The present invention provides a method for the chromatographic fingerprinting, chemical and therapeutic standardization, bar-coding of the fingerprints and preparation of a data base for Enterprise Resource Planning (ERP) and Customer Relationship Management (CRM) machines and applications of medicines in general and traditional medicines in particular; this invention includes a software based instrumental method and a novel method of fingerprinting and standardization is proposed for the above purpose and the said method for the chromatographic fingerprinting which facilitates to correlate the traditional therapeutic standardization methods with the chemical properties of the medicines and humors and provides a rational basis to understand the methods used for the said purpose. 41

Probable Assignee: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Earliest Publication Date: 20020620



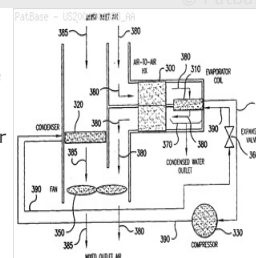
86) Family number: 15771993 (US2004244398A)

DEVICE FOR COLLECTING WATER FROM AIR

Abstract: Source: US2004244398A The present invention is directed to a water making device that collects the moisture contained in the atmosphere and condenses it into high purity water. In one embodiment, moist air entering the water making/water cooling system flows across an air filter, then a precooler heat exchanger (where the air stream is cooled to or close to its dew point) and then a water extraction heat exchanger, where the air stream is cooled further and water is extracted. The water that leaves water extraction heat exchanger is collected in a water collection device and passes from there through a primary water filter into a water storage tank. The air stream then passes across a reheat heat exchanger and exhausted to the outside. A water circulation pump extracts water from the water storage tank and circulates the water stream through an evaporator of a vapor compression refrigeration system, where the water stream is chilled, then through the water extraction heat exchanger and precooler, where the incoming air stream is chilled by removing heat to the water stream. The water stream is then circulated through the reheat heat exchanger, where the water stream is again cooled by removing heat to the cool dry air exiting the water extraction heat exchanger. Finally, the cooled water stream is circulated through the water filter to a three way valve, that directs water flow either to a dispenser or back to the water storage tank

Probable Assignee: OF MARYLAND COLLEGE PARK UNIV

Earliest Publication Date: 20011108



87) Family number: 64825747 (US2018147776A)

METHOD FOR PRODUCING PHOTOCURED THREE-DIMENSIONAL STEREOSCOPIC SHAPED OBJECT

Abstract: Source: US2018147776A A process for producing a photocured three-dimensional stereoscopic shaped object includes ejecting and applying a droplet of a photocurable resin composition (A) having a viscosity of 20 mPa·s to 500 Pa·s at 23 degrees centigrade using a non-contact dispenser, wherein the droplet has a volume of 1 nL or more.

Probable Assignee: KANEKA CORP

Earliest Publication Date: 20170202

88) Family number: 49887721 (BRPI1000491A)

SUCO NATURAL DE MILHO VERDE E RESPECTIVO PROCESSO DE FABRICACAO JUICE NATURAL GREEN CORN AND ITS PROCESS OF MANUFACTURE (MACHINE TRANSLATION)

Abstract: Source: BRPI1000491A 1 Z| 030 4m J2_, RESUMO "SUCO NATURAL DE MILHO VERDE E RESPECTIVO PROCESSO DE FABRICACAO" A presente Patente de Invencao refere-se a um suco natural de milho 5 verde e respectivo processo de fabricacao, obtido atraves dos seguintes componentes: amido extraido do milho verde, leite integral / leite em po, acucar, sal e sorbato de potassio (conservante). O presente suco possibilita ao consumidor ingerir um produto natural, saudavel, de propriedades sensoriais adequadas e agradaveis para o consumo humano (opostas a tecnica), alem de muito nutritivo, atraves de um processo de 10 fabricacao de facil execucao em uma mistura dos componentes qualitativos relacionados acima. Deste modo, por oferecer ao corpo do individuo as vitaminas, sais minerais entre outros nutrientes que ele necessita para se manter saudavel, sem a utilizacao de aditivos quimicos, o presente suco natural ajuda na cura de certas doencas, 15 como tambem na imunizacao contra elas, alem de amenizar os problemas relacionados a resistencia natural do corpo. 1 Z | 030 4m J2_, SUMMARY "JUICE NATURAL GREEN CORN AND ITS PROCESS OF MANUFACTURE" This Patent Invention refers to a natural juice of corn 5 green and its manufacturing process, achieved through the following components: extracted starch from corn, whole milk / milk powder, sugar, salt and potassium sorbate (preservative). The juice This enables the consumer to ingest a natural, healthy, appropriate sensory properties and pleasant for human consumption (as opposed to technical), besides very nutritious, through a process of 10 FABRICACAO of easy execution on a mixture of qualitative components listed above. Thus, by offering the individual's body vitamins, minerals and other nutrients it needs to stay healthy without the utilization of chemical additives, this natural juice helps in curing certain diseases, 15 and also in the immunization against them, in addition to ease problems related to natural resistance of the body.

Probable Assignee: DE LIMA MARIA FELICIA

Earliest Publication Date: 20111018

89) Family number: 41735339 (IN03611DN2006A)

A METHOD FOR STANDARDIZATION OF CHEMICAL AND THERAPEUTIC VALUES OF FOODS AND MEDICINES USING ANIMATEDCHROMATOGRAPHIC FINGERPRINTING

Abstract: Source: IN03611DN2006A The present invention provides a method of standardization of chemical and therapeutic properties and quality of foods and medicines. The present invention provides a method of chromatographic finger printing facilitating correlation of traditional methods used for chemical and therapeutic standardization of medicines and humors in the living things with physico chemical properties of the medicines and their constituents. The methods is used for the qualitative and quantitative analysis of the energy involved in the medicines and living things and to understand various bio chemical reactions in living things using an energy system. It provides a rational basis to understand the traditional methods of assessment of chemical and therapeutic qualities of materials used for the said purpose. The present invention also provides the influence, of factors like pH, temperature, viscosity and ionic nature of the media along with atomic and molecular properties indicating the chemical and therapeutic values of the foods and medicines of natural and synthetic nature. The analysis of biological samples like blood indicated the utility of the method for the assessment of clinical pathological conditions of healthy and diseased. This facilitates for a better drug discovery, drug monitoring, drug targeting and drug profiling using different features of 3-D animated energy box created after analyzing the sample by different analysis, separation and detection methods.

Probable Assignee: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Earliest Publication Date: 20070824

90) Family number: 48772438 (WO11050799A1)

VENDING AND PACKING MACHINE FOR LOOSE FOODS

Abstract: The invention relates to a vending and packing machine for loose foods, in particular for cereal ingredients. The vending and packing machine comprises a plurality of containers for loose foods, means for the controlled discharge of the foods from the containers to a weighing and packing station, and means for cleaning the path between the plurality of containers and the weighing and packing station.

Probable Assignee: STEPANOW NATALIE

Earliest Publication Date: 20110428

