

Search history

Search PN=(WO2015112061) (Results 1)

1:

Search [SP]: 1. hygienic sheet material dispenser comprising: a housing with a dispensing opening a compartment for a sheet material product a first sensor arranged to assume an active mode in which the first sensor actively scans for the presence of a user a dispensing motor arranged to drive a driving mechanism a second sensor for sensing when a piece of said product has been removed from the dispensing opening and a microcontroller connected to the first sensor, the second sensor, and the dispensing motor, wherein said dispenser is configured to be switched to a passive mode, wherein the dispenser is configured to switch to the passive mode after a first predetermined period of time has elapsed with the first sensor in the active mode without detection of a user, wherein, upon the dispenser entering the passive mode, a length of said product is fed from the dispenser out of the dispensing opening and the first sensor and the microcontroller are substantially deactivated, and wherein the dispenser is configured to switch back to the active mode when the second sensor senses that said product has been removed from the dispensing opening. 2. the dispenser according to claim 1, wherein the first sensor is a capacitive proximity sensor. 3. the dispenser according to claim 1, wherein the first sensor is an infrared (ir) proximity sensor. 4. the dispenser according to claim 1, wherein said second sensor is a mechanical switch indicating that a user has removed a length of said product. 5. the dispenser according to claim 4, wherein said second sensor is activated by said product upon stretching said product during a tearing operation. 6. the dispenser according to claim 4, wherein said second sensor is activated by a tear bar arrangement. 7. the dispenser according to claim 1, wherein said second sensor is an optical sensor arranged for determining whether the product is removed or not. 8. the dispenser according to claim 1, wherein the first predetermined period of time is between 3 minutes and 60 minutes. 9. the dispenser according to claim 1, wherein the compartment for the product is arranged to hold a continuous roll of paper or a stack of folded continuous paper, and wherein the dispenser dispenses a predetermined length of paper upon activation of the first sensor or second sensor. 10. the dispenser according to claim 1, wherein the compartment for the product is arranged to hold a roll of paper sheets or a stack of connected paper sheets, and wherein the dispenser dispenses a sheet of paper upon activation of the first sensor or second sensor. 11. the dispenser according to claim 1, wherein the dispenser housing comprises a dispenser frame comprising a dispensing opening, and an insert being arranged to be removably inserted into the dispenser frame, wherein the first sensor, the dispensing motor arranged to drive the driving mechanism, the second sensor and the microcontroller are arranged in the insert. 12. hygienic sheet material dispenser comprising: a housing with a dispensing opening a compartment for a sheet material product a first sensor arranged to assume an active mode in which the first sensor actively scans for the presence of a user with a first predetermined scan rate a dispensing motor arranged to drive a driving mechanism a second sensor for sensing when a piece of said product has been removed and a microcontroller connected to the first sensor, the second sensor, and the dispensing motor, wherein said dispenser is configured to be switched to a passive mode, wherein the dispenser is arranged to switch to a low scan mode after a second predetermined period of time has elapsed with the first sensor in the active mode without detection of a user, wherein, in the low scan mode, the first sensor is arranged to scan for the presence of a user at a second predetermined scan rate which is lower than said first scan rate, wherein the dispenser is arranged to switch from the low scan mode to the passive mode after a third predetermined period of time has elapsed in the low scan mode without detection of a user, wherein, upon switching to the passive mode, said product is dispensed from the dispenser out from the dispensing opening and the first sensor and the microcontroller are substantially deactivated, and wherein the dispenser is arranged to switch back to the active mode upon the second sensor sensing that said product has been removed from the dispensing opening. 13. the dispenser according to claim 12, wherein the second predetermined period of time is between 0.5 and 20 minutes. 14. a method for controlling the operation of a hygienic sheet material dispenser, comprising a housing with a dispensing opening and a compartment for a sheet material product, said method comprising: scanning for the presence of a user by a first sensor during an active mode driving a driving mechanism by a dispensing motor upon detecting the presence of a user by the first sensor sensing whether a piece of said sheet material product has been removed by a second sensor controlling the operation of the dispenser by a microcontroller connected to the first sensor, the second sensor and the dispensing motor, selectively switching said dispenser unit to a passive mode switching from the active mode to the passive mode after a first predetermined period of time has elapsed in the active mode without detection of a user dispensing a piece of said product from the dispenser out from the dispensing opening upon switching to the passive mode and substantially deactivating the first sensor and the microcontroller and switching back to said active mode when said second sensor senses that a piece of said product has been removed. 15. a method for controlling the operation of a hygienic sheet material dispenser, comprising a housing with a dispensing opening and a compartment for a sheet material product, said method comprising: scanning for the presence of a user by a first sensor during an active mode and with a first predetermined scan rate driving a driving mechanism by a dispensing motor upon detecting the presence of a user by the first sensor sensing whether a piece of said sheet material product has been removed by a second sensor controlling the operation of the dispenser by a microcontroller connected to the first sensor, the second sensor and the dispensing motor selectively switching said dispenser to a passive mode switching from the active mode to a low scan mode after a second predetermined period of time has elapsed in the active mode without detection of a user scanning for the presence of a user, in said low scan mode, by said first sensor and with a second predetermined scan rate which is lower than said first scan rate switching from said low scan mode to said passive mode after a third predetermined period of time has elapsed in the low scan mode without detection of a user dispensing a piece of said product from the dispenser out from the dispensing opening upon switching to the passive mode and substantially deactivating the first sensor and the microcontroller and switching back to the active mode when the second sensor senses that said piece has been removed. (Results 0)

Search [SP]: hygienic sheet material dispenser a hygienic sheet material dispenser includes a housing with a dispensing opening, a compartment for a sheet material product, a first sensor arranged to assume an active mode in which it scans for the presence of a user, a dispensing motor arranged to drive a driving mechanism, a second sensor for sensing when a piece of said product has been removed, and a microcontroller connected to the first sensor, the second sensor and the dispensing motor, said dispenser also being configured to be switched to a passive mode. the dispenser is arranged to switch to the passive mode after a first predetermined period of time has elapsed in the active mode without detection of a user wherein, upon entering the passive mode, a length of said product is fed from the dispenser out of the dispensing opening and the first sensor and the microcontroller are substantially deactivated and wherein the dispenser is arranged to switch back to the active mode when the second sensor senses that said product has been removed. (Results 14)

Search dispenser* and hygienic* and (material* or paper*) (Results 4024)

4:

Search 4 and (controller* or processor*) and sensor* and motor (Results 240)

5:

Search 5 and (passive or active or inactive or satndby or repose) (Results 117)

6:

Search 6 and (cutting bar or cutter*) (Results 16)

7:

Search 5 and cutt* (Results 66)

8:

Search 8 and paper* (Results 38)

9:

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

Abstract: 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.

Classifications:

International (IPC 8-9): A23L1/00 A23P1/00 A23P1/08 A47J27/00 A47J27/14 A47J31/44 A47J37/00 B08B3/04 B08B7/00 B67D1/08 B67D1/12 G01N33/02 G05B15/02 G06F15/16 G06F17/00 G06F17/30 G06F19/00 G06F3/048 G06F7/00 G06K15/00 G06K5/00 G06K7/01 G06Q10/00 G06Q10/06 G06Q10/08 G06Q10/10 G06Q20/00 G06Q20/18 G06Q20/32 G06Q20/34 G06Q30/00 G06Q30/02 G06Q30/06 G06Q50/00 G06Q50/12 G06Q50/22 G06Q50/24 G06Q50/28 G06Q99/00 G07F11/00 G07F11/62 G07F13/06 G07F17/00 G07F9/00 G07F9/02 G09B19/00 G16H10/60

H04L29/08 (Advanced/Invention);

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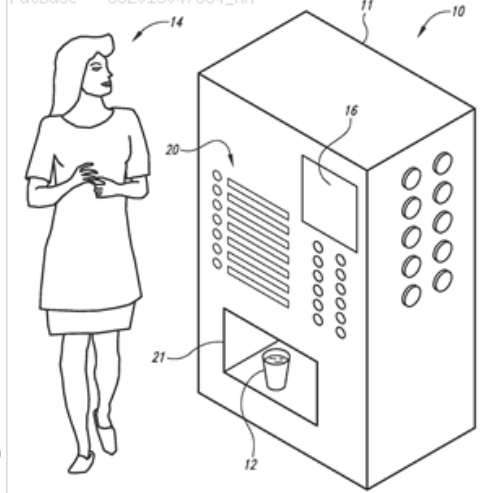
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PatBase - US2013047864_AA



Family:

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Inventor(s): (std): HOLMAN PAUL ; LEVIEN ROYCE A ; MALAMUD MARK A ; STEPHENSON NEAL ; YOUNG CHRISTOPHER CHARLES

Title: E-CIGARETTE PERSONAL VAPORIZER

Abstract: A portable, personal storage and carrying case for an e-liquid e-cigarette PV in which the case includes: a refillable PV that is removable from the case; an electrical power source for re-charging a rechargeable battery in the PV; a user-replaceable reservoir for holding e-liquid; and an electrical or electronic pump adapted to transfer e-liquid from the reservoir to a chamber in the PV, the pump delivering a pre-defined or variable quantity of e-liquid from the reservoir; and in which the case is configured to automatically fully re-fill the PV with e-liquid and fully charge the PV so that the PV is in a fully re-filled and re-charged state when it is removed from the case.

Classifications:

International (IPC 8-9): A24B15/16 A24F15/00 A24F15/08
A24F15/12 A24F15/14 A24F15/18 A24F47/00 A61M11/00 A61M11/04
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A24F15/18 G09F23/00 H02J7/00 (Advanced/Non-invention);
A24F (Subclass/Invention)

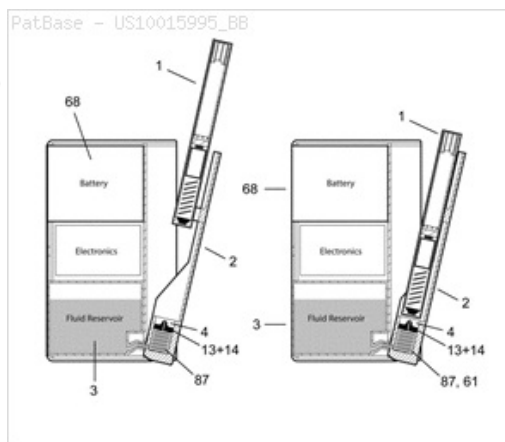
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JP F-Index: A24F47/00 A61M15/06/C



Family:

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Probable Assignee: BEYOND TWENTY LTD

Assignee(s): (std): BEYOND TWENTY LTD ; PRODUCT WORKS LTD

Assignee(s): MEMARI KEVAH ; MURISON IAN ; GORILOVSKY DMITRY ; MARSH STEPHEN ; BENNETT ADRIAN

Inventor(s): (std): MARSH STEPHEN ; MEMARI KAVEH ; MEMARI KEVAH ; MEMARI KEVEH ; MURISON IAN ; STEPHEN MARSH ; GORILOVSKY DMITRY ; ADRIAN BENNETT ; BENNETT ADRIAN ; IAN MURISON ; KAVEH MEMARI

Inventor(s): KEVEH MEMARI

Agent(s): DAVIES COLLISON CAVE PTY LTD; RIDOUT AND MAYBEE LLP; HOFFMANN EITLE PATENT U RECHTSANWALTE PARTMBB; LANGLEY PETER JAMES; DE ELZABURU ALBERTO; SAUL EWING ARNSTEIN AND LEHR LLP; SAUL EWING LLP; ORIGIN LTD

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

Title: METHODS AND SYSTEMS FOR FOOD PREPARATION IN A ROBOTIC COOKING KITCHEN

Abstract: The present disclosure is directed to methods, computer program products, and computer systems for instructing a robot to prepare a food dish by replacing the human chef's movements and actions. Monitoring a human chef is carried out in an instrumented application-specific setting, a standardized robotic kitchen in this instance, and involves using **sensors** and computers to watch, monitor, record and interpret the motions and actions of the human chef, in order to develop a robot-executable set of commands robust to variations and changes in the environment, capable of allowing a robotic or automated system in a robotic kitchen to prepare the same dish to the standards and quality as the dish prepared by the human chef.

Classifications:

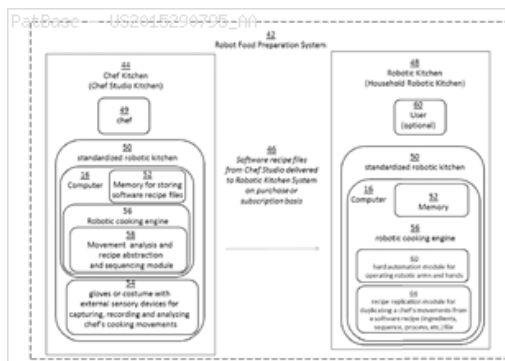
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US: 700/245 700/250 700/257 901/1 901/28 901/3

JP F-Term: 3C707 3C707/AS34 3C707/BS12 3C707/BS26 3C707/CS05 3C707/DS01 3C707/ES06 3C707/KS11 3C707/KS31 3C707/KS35 3C707/KS36 3C707/KT03 3C707/KT04 3C707/KV08 3C707/KV11 3C707/KX07 3C707/LV14 3C707/LW12 3C707/MT06 3C707/BS10 3C707/ES07 3C707/JS03 3C707/KS39 3C707/LV02 3C707/MT11 3C707/WA03 3C707/WL08 3C707/WM11 4B053 4B053/AA01 4B053/BA19 4B053/BJ02

JP F-Index: B25J13/00/Z B25J13/08/A A47J43/04 B25J13/08/Z



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Probable Assignee: MBL LTD

Assignee(s): (std): MBL LTD ; OLENYIK MARK

Inventor(s): (std): OLENYIK MARK

Agent(s): SPRUSON AND FERGUSON; SMART AND BIGGAR; PLATZOEDER MICHAEL CHRISTIAN; NISHIJIMA TAKAKI; OHTSUKA FUMIAKI; SUDA HIROYUKI; KONDO NAOKI; UESUGI HIROSHI; DESHIMARU TAKESHI; PETER; DENTONS US LLP; KORENBERG ALEXANDER TAL ET AL; WALLINGER RICKER SCHLOTTER TOSTMANN

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

Title: METHOD AND APPARATUS FOR MANUFACTURING AND CONSTRUCTING A DENTAL ALIGNER

Abstract: A method produces a physical dental aligner. The method includes producing a digital dental aligner model suitable for CNC based manufacturing based on the digital dental arch model and segmenting the digital dental aligner model into a plurality of manufacturable digital components. Aligner components are produced using Computer Numerical Control (CNC) based manufacturing in accordance with the digital aligner components and subsequently assembled to form the physical dental aligner.

Classifications:

International (IPC 8-9): A47F7/00 A61C11/00 A61C13/20 A61C13/34 A61C19/00 A61C3/00 A61C3/04 A61C5/00 A61C7/00 A61C7/04 A61C7/08 A61C8/00 A61C9/00 G06F15/00 G06F15/16 G06F17/30 G06F17/50 G06F19/00 G06F3/048 G06F3/0484 G06K9/00 G06T15/00 G07F11/16 G07F11/72 H04B1/40 H04M3/56 H04N7/14 H04N7/15 (Advanced/Invention);

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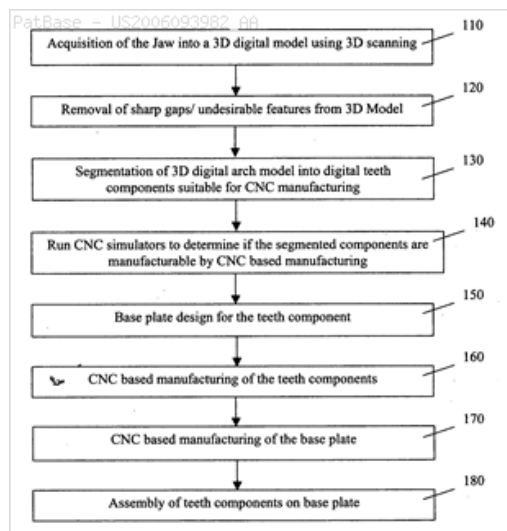
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European: A61C13/00C1 A61C13/00F A61C13/04 A61C13/14 A61C13/16 A61C19/02 A61C19/04 A61C19/05 A61C7/00 A61C7/04 A61C7/08 A61C7/14P A61C8/00T A61C9/00 A61C9/00B G06Q10/08 H04N21/4786 H04N21/4788 H04N7/14A3 H04N7/15M K61C13/00C1 K61C13/00C3L K61C19/06B K61C202/00 K61C7/00C K61C9/00B K61C9/00E

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JP F-Term: 4C052 4C052/AA20 4C052/JJ01 4C052/JJ09 4C052/JJ10

JP F-Index: A61C7/00/M A61C7/00/Z A61C7/08

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US9536020 BB	20170103	US20150641926	20150309
US9939999 BB	20180410	US20140255832	20140417
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WO06050452 A2	20060511	WO2005US39715	20051102
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WO06115841 A2	20061102	WO2006US14124	20060414
WO06115841 A3	20071206	WO2006US14124	20060414
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WO06118771 A3	20090416	WO2006US14125	20060414

Priority:

US20040979504	20041102	US20040979823	20041102	US20040979497	20041102
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Probable Assignee: ORTHOCLEAR HOLDINGS INC

Assignee(s): (std): ORTHOCLEAR HOLDINGS INC ; LIU FRANK ZHENHUAN ; LIU GANG ; LIU FRANK Z ; SAWTELLE MARI ; LIU RANK ; RIZVI SYED WASI MOHSIN RAZA ; MOHAMMAD KASHIF ; LIANG WENJIA ; ALIGN TECH INC ; ALIGN TECHNOLOGY INC ; BASHIR YASSER ; CHISHTI MUHAMMAD ZIAULLAH KHAN ; SAMSUNG ELECTRONICS CO LTD ; WEN HUAFENG ; ZHENHUAN LIU FRANK ; WOLF KEITH R ; WAQAS WAHAB

Assignee(s): KOOKIE INC ; ALIGN TECHNOLOGY INC A DELAWARE CORP ; LIU FRANK ; SAMSUNG ELECTRONICS CO

Inventor(s): (std): HUAFENG WEN ; LIANG WENJIA ; LIU FRANK ; LIU FRANK Z ; LIU FRANK ZHENHUAN ; LIU GANG ; LIU RANK ; MOHAMMAD KASHIF ; RANK LIU ; BASHIR YASSER ; CHISHTI MUHAMMAD Z K ; CHISHTI MUHAMMAD ZIAULLAH KHAN ; SAWTELLE MARI ; WAQAS WAHAB ; WEN HUAFENG ; WOLF KEITH R ; YUN DONG SUNG ; ZHENHUAN LIU FRANK ; RIZVI SYED W M ; RIZVI SYED WASI MOHSIN RAZA

Inventor(s): RIZVI SYED WM ; CHISHTI MUHAMMAD ZK ; CHISHTI MUHAMMAD ; RIZVI SYED

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; BLANEY MCMURTRY LLP; BROOKES BATCHELLOR LLP; MILLER JOHN OWEN; LANG JOHANNES; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; MORRISON AND FOERSTER LLP; FRANK Z LIU; HC PARK AND ASSOCIATES PLC; PAUL HASTINGS JANOFISKY AND WALKER LLP; ALIGN TECHNOLOGY C/O WAGNER BLECHER LLP; ALIGN TECHNOLOGY C O WAGNER BLECHER LLP; TOWNSEND AND TOWNSEND AND CREW LLP; KILPATRICK TOWNSEND AND STOCKTON LLP; WILSON SONSINI GOODRICH AND ROSATI

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

Title: **DISPENSER** FOR ROLLED SHEET **MATERIALS** WITH **CUTTING** SYSTEM

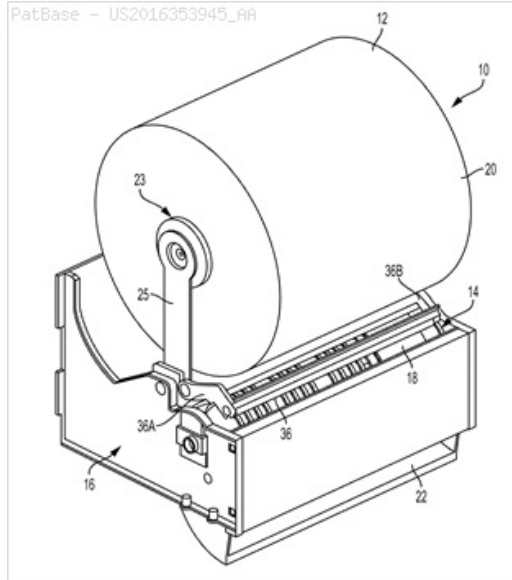
Abstract: A **dispenser** for dispensing a flexible, rolled sheet **material** can include a housing and a supply of the sheet **material** supported within the housing for feeding the sheet **material** along a path defined through the housing. A feed roller can be rotatably mounted within the housing and have a body that engages the sheet **material** to pull the sheet **material** from the supply to dispense a selected amount of the sheet **material** therefrom. The **dispenser** also can include pressing rollers positioned adjacent the feed roller and biased to engage the sheet **material** between the pressing rollers and the feed roller, and a **cutting** mechanism arranged along the body of the feed roller that can have a **cutting** blade operatively connected to the body of the feed roller and actuated with rotation thereof to at least partially cut or perforate a selected portion of the sheet **material**.

Classifications:

International (IPC 8-9): A47K10/36 B26F3/02 B65H16/00 B65H16/10 B65H35/08 (Advanced/Invention)

CPC: A47K10/3643 A47K2010/3668 A47K10/3618 A47K10/3612 A47K10/3625 A47K2010/365 B65H20/02 B65H35/006 B65H2301/41306 B65H2301/41346 B65H2301/515323 B65H2301/5154 B65H2403/512 B65H2404/143 B26F3/02 B65H16/005 B65H2301/4493 B65H2404/13161 B65H2404/147 B65H2511/22 B65H2511/511 B65H2553/22 B65H2553/414 B65H2553/51 B65H2701/1924 B65H16/06 B65H16/106

US: 225/1 242/562



Family:

Publication number	Publication date	Application number	Application date
CA2988638 AA	20171206	CA20162988638	20160617
EP3310232 A1	20180425	EP20160812545	20160617
US2016353945 AA	20161208	US20160185937	20160617
US2016353946 AA	20161208	US20160173970	20160606
US2016353947 AA	20161208	US20160185776	20160617
WO16205686 A1	20161222	WO2016US38135	20160617

Priority:

US20150230404P 20150604	US20150181457P 20150618	US20150181457P 20150618
US20160299256P 20160224	US20160315318P 20160330	US20160173970 20160606
US20160185776 20160617	US20160185937 20160617	WO2016US38135 20160617

Probable Assignee: OSBORNE JR CHARLES AGNEW

Assignee(s): (std): OSBORNE CHARLES AGNEW JR ; OSBORNE JR CHARLES AGNEW

Assignee(s): OSBORNE JR

Inventor(s): (std): OSBORNE CHARLES AGNEW JR ; OSBORNE JR CHARLES AGNEW

Inventor(s): OSBORNE JR

Agent(s): MACRAE AND CO; HOFSTETTER SCHURACK AND PARTNER; SUDDERTH D SCOTT ET AL

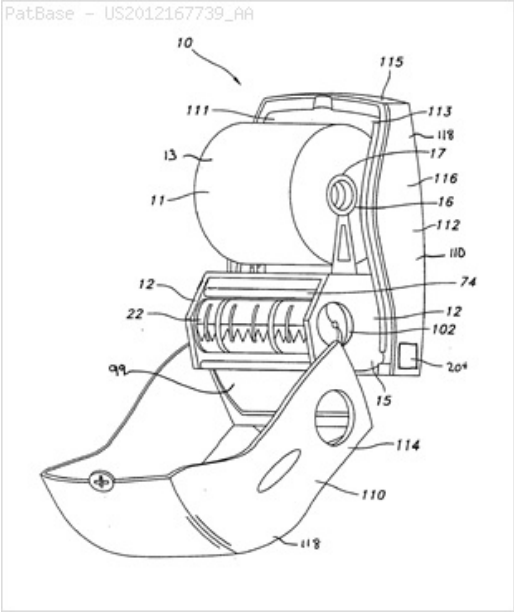
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Title: ELECTRONIC PRE-CUT SHEET **DISPENSER** WITH DISPENSING ADJUSTMENTS

Abstract: The present invention provides a **dispenser** for dispensing pre-cut sheets from a roll or a web **material** to a user in need of the web **material**. The **dispenser** contains a product identification **sensor** in communication with a control circuit. This product identification **sensor** detects and identifies information about the roll of the web **material** placed in the holder and relays this information to the control circuit. The control circuit adjusts dispensing parameters for the actuator roller in dispensing a sheet of the web **material** from the **dispenser**.

Classifications:

International (IPC 8-9): A47K10/36 B26D1/12 B26D5/00 B65H7/00 (Advanced/Invention)
CPC: B26D5/00 B26D5/20 B26F3/02 Y10T83/527 Y10T83/541 Y10T83/896 Y10T83/9372 Y10T225/238 Y10T225/247 A47K2010/365
European: A47K10/36 B26D5/00 B26F3/02 L26D5/20
US: 225/39 225/47 83/361 83/370 83/649 83/663 83/663P



Family:

Publication number	Publication date	Application number	Application date
US2012167739 AA	20120705	US20100981588	20101230
US8919233 BB	20141230	US20100981588	20101230
WO12090092 A2	20120705	WO2011B55365	20111129
WO12090092 A3	20140424	WO2011B55365	20111129

Priority:

US20100981588 20101230

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; LEWIS RICHARD PAUL ; TRAMONTINA PAUL FRANCIS

Assignee(s): KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): TRAMONTINA PAUL FRANCIS ; LEWIS RICHARD PAUL

Agent(s): RALPH H; NANCY M; KLEMBUS NANCY M ET AL

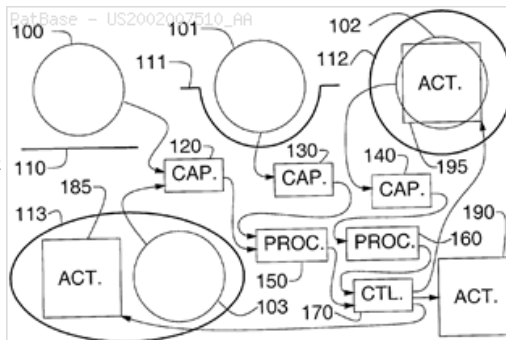
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ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

Title: Smart bathroom fixtures and systems

Abstract: Image **sensors**, **processors**, and control systems facilitate automatic **sensor** operated bathroom fixtures, systems for controlling bathroom fixtures, and methods of bathroom fixture design, control, and management, as well as the control and management of hygiene and water resources. The networked plumbing systems also help facility managers and law enforcement personnel monitor the operation of various bathrooms in a facility or at remote facilities. Image **sensors** are used for controlling several showers, faucets, urinals, or water closets in large bathroom complexes. Image based intelligent bathroom fixtures and systems help enhance the privacy of users by ensuring that law abiding users need not be disturbed by police foot patrols into the restroom areas, or by security guards entering simply to make inspections. An aquionics bathroom control system of the invention maintains the cleanliness, safety, security, and privacy of the occupants in a smart bathroom environment. Additionally, in some embodiments, a bathroom facility of the invention may be used for mass decontamination during times of emergency for processing victims of a nuclear, biological, or chemical incident. Once ubiquitously installed for routine control of fixtures, the apparatus facilitates a secondary usage such as monitoring by triage staff, medical personnel, decontamination officers, or law enforcement officers during times of terrorist consequence management.

Classifications:

International (ipc 8-9): A45C1/06 A45C13/18 A47K3/28 A61B5/00 A61F2/14 A61H33/00 A63F13/80 A63F9/00 A63F9/24 A63H30/04 B62D1/00 B64F1/36 E03C1/05 E03D3/00 E03D5/10 E03D9/00 E04H1/12 E05B47/00 E05B65/00 G02B23/12 G02B27/00 G02B27/01 G02B27/18 G02B27/20 G02C1/00 G02C11/00 G02C11/04 G02C11/06 G02C7/02 G02C7/04 G02C7/10 G02C9/00 G02F1/01 G03B1/00 G03B13/02 G03B13/04 G03B13/06 G03B13/16 G03B15/02 G03B15/05 G03B15/08 G03B17/18 G03B17/48 G03B17/56 G03B19/00 G03B29/00 G03B33/08 G03B43/00 G03B7/00 G04G21/04 G04G9/00 G04G99/00 G05B11/16 G05B19/00 G05B23/00 G05B23/02 G05D1/00 G05D7/06 G06F1/16 G06F17/00 G06F19/00 G06F3/00 G06F3/01 G06F3/02 G06F7/00 G06F7/04 G06K19/00 G06K9/00 G06K9/20 G06K9/36 G06T1/00 G06T5/50 G06T7/00 G07C9/00 G07F7/02 G07F7/12 G07G1/00 G07G1/12 G08B13/00 G08B13/196 G08B15/00 G08B19/00 G08B21/00 G08B21/02 G08B21/08 G08B23/00 G08B25/00 G08B29/00 G08C19/00 G09G3/00 G09G3/32 G09G5/00 G21F9/00 H04B1/00 H04B3/00 H04L12/16 H04L9/14 H04L9/28 H04L9/32 H04N5/00 H04N5/222 H04N5/225 H04N5/232 H04N5/243 H04N5/247 H04N5/30 H04N5/335 H04N7/00 H04N7/14 H04N7/15 H04N7/18 H04N9/12 H04Q1/00 H04Q9/00 H04R1/40 H04R25/00 (Advanced/Invention);



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International (ipc 1-7): A45C1/06 A45C13/18 A47K3/28 A61B5/00 A61F2/14 A61H33/00 A63F9/00 A63F9/24 B62D1/00 B64F1/36 E03C1/05 E03D3/00 E03D5/10 E03D9/00 E04H1/12 E05B47/00 E05B65/00 G02B23/12 G02B27/00 G02B27/01 G02B27/18 G02B27/20 G02C1/00 G02C11/00 G02C11/04 G02C11/06 G02C7/02 G02C7/04 G02C7/10 G02C9/00 G02F1/01 G03B1/00 G03B13/02 G03B13/04 G03B13/06 G03B13/16 G03B15/02 G03B15/05 G03B15/08 G03B17/48 G03B17/56 G03B19/00 G03B29/00 G03B33/08 G05B11/16 G05B19/00 G05B23/02 G05D7/06 G06F1/16 G06F15/00 G06F17/00 G06F17/40 G06F17/60 G06F3/00 G06F3/02 G06F3/14 G06F7/00 G06F7/04 G06K19/00 G06K5/00 G06K9/00 G06K9/20 G06K9/36 G06T1/00 G06T5/50 G06T7/00 G07G1/00 G07G1/12 G08B13/00 G08B19/00 G08B21/00 G08B21/02 G08B21/08 G08B23/00 G08B25/00 G08B29/00 G08C19/00 G09G3/00 G09G3/32 G09G5/00 H04B1/00 H04B3/00 H04L12/16 H04L9/14 H04L9/28 H04L9/32 H04N5/00 H04N5/222 H04N5/225 H04N5/232 H04N5/243 H04N5/247 H04N5/30 H04N5/335 H04N7/00 H04N7/14 H04N7/15 H04N7/18 H04N9/12 H04Q1/00 H04Q9/00 H04R1/40 H04R25/00

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US: 235/380 235/382 340/3.3 340/3.300P 340/33 340/5.3 340/5.300P 340/5.53 340/5.81 340/5.810S 340/53 345/7 345/8 345/8P 345/8S 345/9 348/115 348/143 348/143P 348/207 348/207.1 348/211 348/E7.087 348/E70.87S 396/374 396/374P 396/661 396/661P 4/300 4/300P 702/187 702/187P

JP F-Term: 5C022 5C022/AB21 5C022/AB62 5C022/AB65 5C022/AC08 5C022/AC13 5C022/AC14 5C022/AC54 5C022/CA02 5C122 5C122/DA02 5C122/DA03 5C122/DA09 5C122/EA01 5C122/EA42 5C122/EA54 5C122/EA61 5C122/FA18 5C122/FC01 5C122/FK15 5C122/FK34 5C122/FK37 5C122/FK42 5C122/FK43 5C122/GC02 5C122/GC10 5C122/GC19 5C122/GC22 5C122/GC51 5C122/GC52 5C122/GC86 5C122/GE04 5C122/GE07 5C122/GE11 5C122/GG03 5C122/GG05 5C122/GG17 5C122/HA35 5C122/HB05 5C022/AB00 5C022/AC03 5C022/AC07 5C022/AC09 5C022/AC42 5C022/AC51 5C022/AC75 5C022/AC77 5C022/AC78 5C122/EA17 5C122/EA21 5C122/EA37 5C122/EA62 5C122/FA02 5C122/FB03 5C122/FB11 5C122/FD01 5C122/FH04 5C122/FH11 5C122/FK09 5C122/FK21 5C122/FK22 5C122/GC12 5C122/HA82

JP F-Index: H04N5/222/Z H04N5/225/B

Locarno class: 00/43

Family:

Publication number	Publication date	Application number	Application date
AT241245 E	20030615	AT19990910052T	19990325
AT242573 E	20030615	AT19990908727T	19990325

AU199928239 A1	19991018	AU19990028239	19990325
AU199929174 A1	19991018	AU19990029174	19990325
CA2228403 AA	19990802	CA19982228403	19980202
CA2233047 AA	19990802	CA19982233047	19980325
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Priority:

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Inventor(s): MANN W ; WILLIAM STEPHEN GEORGE MANN

Agent(s): SMART AND BIGGAR; NA

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

Title: ANTIBODY FORMULATIONS

Abstract: The present invention relates to formulations comprising sucrose, and methods of making such formulations, wherein the sucrose content promotes the reduction or elimination of the reversible self-association (RSA) tendency of the antibody in the formulation. The present invention also relates to formulations comprising an anti-PDGFR- α antibody or antibody fragment. Such antibodies can be used in various methods of treatment. The application further relates to a method of eliminating or reducing the RSA tendency of antibodies in a formulation.

Classifications:

International (IPC 8-9): A01N1/02 A61F2/06 A61K39/395 A61K47/08 A61K47/12 A61K47/26 A61K47/34 A61K9/00 A61K9/08 A61L27/22 A61L27/36 A61L27/38 A61P35/00 B01L3/00 B01L3/02 B29C64/106 B29C67/00 B33Y10/00 B33Y30/00 B33Y70/00 B33Y80/00 C07K16/00 C07K16/28 C12M1/00 C12M1/12 C12M1/26 C12M1/32 C12M1/34 C12M1/36 C12M3/00 C12N5/00 C12N5/071 (Advanced/Invention); C07K14/47 G01N35/10 (Advanced/Non-invention)

CPC: A61K47/12 C07K16/2863 A61K9/0019 A61K39/39591 A61K47/26 C07K16/00 C12M21/08 C12N5/0671 A61L27/222 A61F2/06 C12M33/06 C12M3/00 C12M1/26 B29C67/00 B01L3/502761 B01L3/0268 A61L27/3826 A61L27/3813 A61L27/3808 A61L27/3633 A61L27/225 A61L2430/34 G01N2035/1041 B29C64/106 C12M33/00 B29L2031/7532 B33Y10/00 B33Y70/00 B33Y80/00 C12M41/48 C12M41/46 C12M23/22 C12M27/18 C12M25/02 C12M41/12 C12M41/40 C12N5/0018 C12M23/38 C12M29/00 C12M37/02 A61L27/3895 B33Y30/00 A01N1/0247 C12N5/0062

European: A61K47/26 A61K9/00M5

US: 424/130.1 424/130.100S 424/158.1 424/158.100P 530/387.1 530/390.5

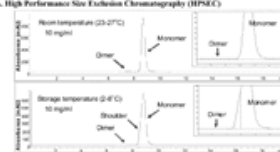
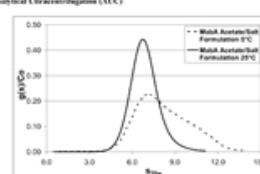
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JP F-Index: A61K39/395/M A61K39/395/N A61K47/12 A61K47/26 A61K47/34 A61K9/08 A61P35/00 C07K14/47 A61K9/08/ZNA C07K16/28

PatBase - US2012009199_AA

Patent Application Publication Jan. 12, 2012 Sheet 1 of 7 US 2012/009199 A1

Figure 1. MoAb exhibits RSA tendency in non-sucrose-containing acetate/salt formulation

A. High Performance Size Exclusion Chromatography (HPSEC)**B. Analytical Ultracentrifugation (AUC)****Family:**

Publication number	Publication date	Application number	Application date
AU2011274363 AA	20120105	AU20110274363	20110701
AU2016201291 AA	20160317	AU20160201291	20160229
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Priority:

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Inventor(s): CANNAN DAVID DB

Agent(s): PHILLIPS ORMONDE FITZPATRICK ; SMART AND BIGGAR ; VOSSIUS AND PARTNER ; ARAI EIICHI ; FUJITA TAKASHI ; TANAKA NATSUO ; HIRAKI YUSUKE ; VARMA ANITA ET AL ; CHAPMAN KATHLEEN

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

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ZM ZW

Title: ELECTRONICALLY CONTROLLED ROLL TOWEL **DISPENSER** WITH DATA COMMUNICATION SYSTEM

Abstract: An electronically controlled roll towel **dispenser** with a data communication system. The **dispenser** automatically dispenses a predetermined length of **paper** toweling from a supply roll after a length of toweling has been detached by a user pulling and tearing the protruding toweling against a stationary **cutting** blade. The **dispenser** is battery powered with an electric **motor**, an electromechanical dispensing mechanism, and an embedded microcontroller for controlling and monitoring operation of the **dispenser**. In addition to primary control functions, the microcontroller monitors parameters such as battery condition, towel usage, system status, system errors, and unsafe operating conditions. Pushbutton switches are also provided for programming towel length and the dispense delay. The **dispenser** further includes an optical transmitter for transmitting visual and infrared data to a receiving device. Useful information about the status of the **dispenser** can be visibly discerned by an operator through the use of primitive low-speed flash patterns, while high-speed infrared digital data can be simultaneously embedded in or multiplexed with the visible data.

Classifications:

International (IPC 8-9): A47K10/36 B65H16/10

B65H26/06 (Advanced/Invention);

A47K10/24 B65H16/00 B65H26/00 (Core/Invention)

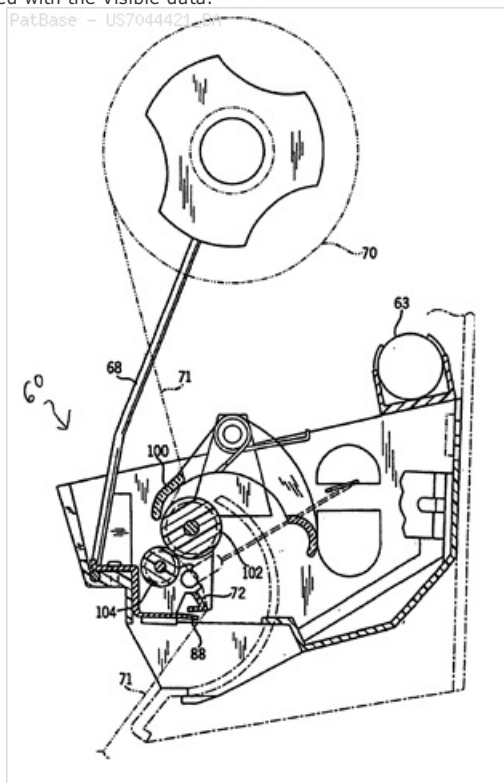
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A47K10/36

European: A47K10/36

US: 242/563 242/564.1 242/564.4



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19990130137P 19990420
US20000959251 20000420

US19990159006P 19991011
US20020959251 20020129

WO2000US10761 20000420

Probable Assignee: SAN JAMAR INC

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Assignee(s): COLMON GROUP INC ; DISPENSING DYNAMICS INT LLC FKA DISPENSING DYNAMICS INTERNATIONAL ; COLLINS SCOTT ; THE COLMAN GROUP INC ; SAN JAMAR INC ; PNC BANK NATIONAL ASSOCIATION ; HUBANKS BRIAN ; SAN JAMAR INC F K A COLMAN GROUP INC ; GOLDMAN SACHS BANK USA COLLATERAL AGENT AS ; US BANK NATIONAL ASSOCIATION ; WELLS FARGO BANK COLLATERAL AGENT AS

Inventor(s): (std): HOYT D ; HUBANKS BRIAN ; OMDOLL A ; UBANKS BRIAN ; OMDOLL PAUL A ; HOYT STEVEN D ; COLLINS SCOTT

Inventor(s): STEVEN D HOYT ; PAUL A OMDOLL ; PAUL A ; STEVEN D ; OMDOLL ; HOYT

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; GOUDREAU GAGE DUBUC; HARNECKER; PILIERO
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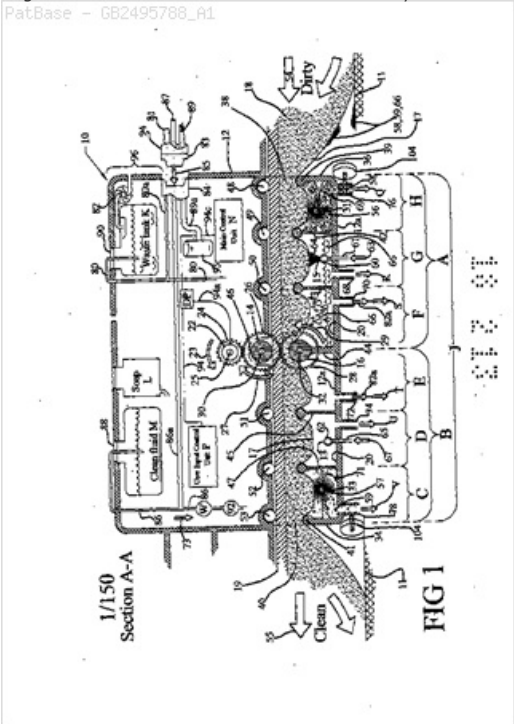
Designated states: AT AU BE BR CA CH CY DE DK ES FI FR GB GR IE IT LI LU MC MX NL NZ PT SE US

Title: AN AUTOMATED METHOD AND PROCESS OF CONTINUOUSLY REGENERATING A CLEANING ELEMENT WORKING IN A CLEANING DEVICE

Abstract: A self-regenerating surface cleaning device 10 comprises a liquid catchment means enclosure module J and a cleaning element 18. The cleaning element 18 has the properties of a permeable, flexible absorbent material which is adapted to be in continuous contact with a dirty surface before entering the liquid catchment means enclosure module J while in a degenerated dirty condition and then exits it in a regenerated or clean condition before resuming contact with the cleaning surface. The cleaning device 10 may be a mop or other cleaning device used to clean floors or other dirty surfaces

Classifications:

International (IPC 8-9): A47L11/00 A47L13/10 A47L13/20 B08B1/00 (Advanced/Invention)
CPC: A47L11/00 A47L13/10 A47L13/20 B08B1/007 A47L5/24 A47L5/30 A47L7/0033 A47L9/0433 A47L11/292 A47L11/293 A47L11/4047 A47L11/4088 A47L11/4022 A47L11/4038 A47L11/4094 A47L13/12 A46B13/001



Family:

Publication number	Publication date	Application number	Application date
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GB2495788 A1	20130424	GB20120000669	20120114

Priority:

GB20120000669 20120114

Probable Assignee: NGUMI COSMOS W
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Assignee(s): COSMOS WATHINGIRA NGUMI
Inventor(s): (std): NGUMI COSMOS WATHINGIRA
Inventor(s): COSMOS WATHINGIRA NGUMI

Title: Physical improvements in coated monofilament dental tapes

Abstract: Disclosed are coated monofilament dental tapes with physical improvements including patient-friendly edges and self-indicating releasable coatings.

Classifications:

International (IPC 8-9): A45D44/18 A46B3/04 A46B5/00 A46B9/04 A61C15/00 A61C15/04 A61C17/00 A61C5/00 A61F13/00 A61K6/00 A61K8/00 A61K8/02 A61K8/06 A61K8/18 A61K8/21 A61K8/25 A61K8/31 A61K8/34 A61K8/35 A61K8/42 A61K8/43 A61K8/49 A61K8/73 A61K8/81 A61K8/89 A61K8/92 A61K8/96 A61K8/97 A61K9/20 A61K9/68 A61K9/70 A61P1/02 A61Q11/00 B01J13/00 B05D3/12 B29C55/02 C08J5/18 C08J7/04 C08L23/06 D01D4/02 D01F6/82 D02G3/00 D06M11/45 D06M11/71 D06M11/76 D06M11/77 D06M11/79 D06M13/00 D06M15/00 D06M15/53 D06M23/08 (Advanced/Invention); B29L7/00 B29L9/00 D06M101/18 (Advanced/Non-invention); A45D44/00 A46B3/00 A46B5/00 A46B9/00 A61C15/00 A61C17/00 A61C5/00 A61F13/00 A61K6/00 A61K8/00 A61K8/02 A61K8/04 A61K8/18 A61K8/19 A61K8/30 A61K8/72 A61K8/96 A61K9/20 A61K9/68 A61K9/70 A61Q11/00 B01J13/00 B05D3/12 B29C55/02 D01D4/00 D01F6/78 D02G3/00 (Core/Invention); A61C (Subclass/Invention)

International (IPC 1-7): A45D44/18 A46B9/04 A61C015/00 A61C015/04 A61C15/00 A61C15/04 A61K6/00 A61K7/00 A61K7/16 A61K7/18 A61K9/00 A61K9/70 A67C15/00 B29C55/02 C08J5/18 C08K5/05 C08L23/06 C08L47/00 C08L91/06 D01D4/02 D01F6/82 D06M13/00 D06M15/53 **IPC:** A61K8/25 A61K8/965 A61K8/8111 A61C15/02 A61K8/86 A61C15/04 A61K8/06 A61K8/4973 A61K8/4993 D01F6/82 D06M15/53 A61K8/02 A61K8/0216 A61K8/11 A61K8/731 A61K8/97 A61K2800/56 A61K2800/70 A61K8/347 A61K8/43 A61C15/00 A61K8/0208 A61K8/21 A61K9/2086 A61K9/7007 A61Q11/00 A61C15/041 **European:** A61C15/00 A61C15/04 A61C15/04B A61K6/00 A61K7/16P A61K8/02 A61K8/02C A61K8/02M A61K8/06 A61K8/11 A61K8/21 A61K8/25 A61K8/34F A61K8/43 A61K8/49H A61K8/49P A61K8/73C A61K8/81C2 A61K8/86 A61K8/96C A61K8/97 A61K9/20K4 A61K9/70B A61Q11/00 D01F6/82 D06M15/53 K61C15/02 K61C15/04B K61K201/08 K61K201/09 K61K201/107 K61K201/113 K61K201/115 K61K201/117 K61K201/119 K61K201/40 K61K800/56 K61K800/70 **US:** 132/321 132/321S 132/323 132/323S 424/401 424/405 424/443 424/48 424/48P 424/49 424/49P 424/49S 424/52 424/52S 427/2.14 427/2.140S 433/217.1 433/217.100S 524/277 524/386 524/487 524/487S 525/88 525/88S 525/92.00A 525/92A 525/92R 525/93 **JP F-Term:** 4C045 4L033 4L033/AA04 4L033/AB03 4L033/AC02 4L033/AC11 4L033/AC15 4L033/BA00 4L033/CA48 4L035 4L035/BB31 4L035/BB89 4L035/BB91 4L035/DD14 4L035/EE08 4L035/FF02 4L035/GG03 4L035/LC07 4L045 4L045/AA05 4L045/BA02 4L045/CB02 4L045/DA41 4F210 4F210/AA06 4F210/AG01 4F210/AG03 4F210/AH63 4F210/AR08 4F210/AR12 4F210/AR15 4F210/AR20 4F210/QA02 4F210/QC00 4F210/QD08 4F210/QG01 4F210/QG15 4F210/QG18 4F210/QW21 4L031 4L031/AA13 4L031/AB21 4L031/BA08 4L031/BA14 4L031/BA20 4L031/BA24 4L031/DA12 4L033/AA05 4L033/AC10 4L033/BA99 4L033/CA70 4L033/DA02 4L033/DA03 4L033/DA06 **JP F-Index:** A61C15/04/501 D06M13/00 D06M15/53 D01D4/02 D01F6/82 B29C55/02 B29L7/00 B29L9/00 D06M101/18 D06M11/45 D06M11/71 D06M11/76 D06M11/77 D06M11/79 D06M15/00 D06M15/72 D06M23/08



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Publication number	Publication date	Application number	Application date
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AU2001286660 AA	20021021	AU20010286660	20010823
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Priority:

US20000227196P 20000823
US20000227246P 20000823

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Probable Assignee: WHITEHILL ORAL TECHNOLOGIES INC

Assignee(s): (std): DALE G BROWN ; INTERNAT TAPE PARTNERS LLC ; HILL IRA D ; HILL JAMES MCKENZIE ; PERI DEAT LTD ; INT TAPE PARTNERS LLC ; HILL IRA ; LEPPLE ROBERT C ; WHITE ROBERT D ; PERI DENT LTD ; ROBERTS IAN ; SCHWEIGERT MICHAEL ; SCHWEIGERT MICHAEL R ; BARLOW DAVID ; BROWN DALE ; BROWN DALE G ; DALE BROWN ; WHITEHILL ORAL TECH INC

Assignee(s): PERI DENT LIMITED ; ROBERT D WHITE ; PERI DENT LTD GALASHIELS ; WHITEHILL ORAL TECHNOLOGIES INC ; INTERNATIONAL TAPE PARTNERS LLC ; PERI DEAT LIMITED ; IRA D HILL ; IRA HILL

Inventor(s): (std): BARLOW DAVID ; BROWN DALE G ; DALE G BROWN ; HILL IRA D ; HILL JAMES MCKENZIE ; IRA D HILL ; LEPPLE ROBERT C ; MICHAEL R SCHWEIGERT ; SCHWEIGERT MICHAEL R ; WHITE ROBERT D ; SCHWEIGERT MICHAEL ; BROWN DALE ; ROBERTS IAN

Inventor(s): ROBERTS IAN TWEEDBANK ; ROBERT D WHITE ; LEPPLE ROBERT ; HILL JAMES MCKENZIE TWEEDBANK ; HILL IRA D LOCUST ; HILL IRA ; BROWN DALE G WHARTON ; BARLOW DAVID TWEEDBANK

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; SMART AND BIGGAR; RICHES MCKENZIE AND HERBERT LLP; RIDOUT AND MAYBEE LLP; PATENTANWAELTE MAGENBAUER AND KOLLEGEN PARTNERSCHAFT MBB; PARNHAM KEVIN; CURELL MIREIA; HITOSHIO AKIO; TSUBOKURA MICHIAKI; ONO MAKOTO; OSAKI KATSUMASA; KAWAGUCHI YOSHIO; BANNER AND WITCOFF LTD; LINEK ERNEST V

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

Title: SYSTEMS, METHODS, AND APPARATUSES FOR DISPENSING SHEETS OF **MATERIAL**

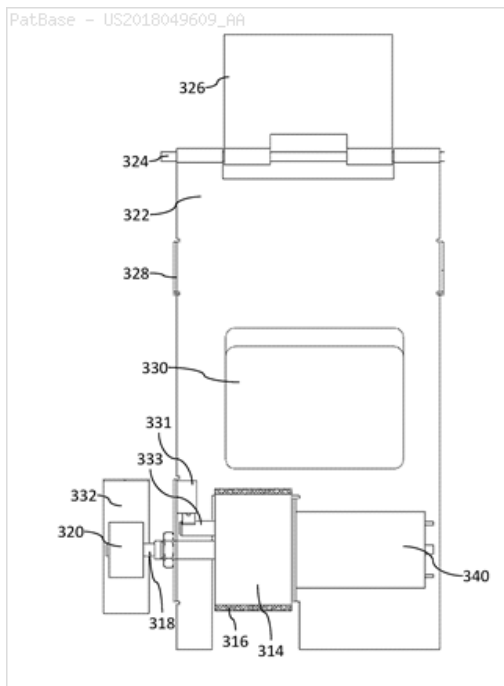
Abstract: Systems, methods, and apparatuses for dispensing sheets of **material** are provided. In one embodiment, a sheet **material** dispensing apparatus is provided, the apparatus comprising: a cover; a rear wall connected to the cover; a mounting plate operatively connected to the cover; a shaft, wherein the shaft is connected to the mounting plate; a supply roller connected to the shaft, wherein the supply roller has a radiused portion and at least one truncated portion; and a retracting roller connected to the shaft, wherein the retracting roller has a radiused portion, and at least one truncated portion.

Classifications:

International (IPC 8-9): A47K10/20 A47K10/42 A47K10/44

A47K13/16 A47K17/00 B65H3/06 B65H43/00 (Advanced/Invention)

CPC: A47K17/003 A47K13/165



Family:

Publication number	Publication date	Application number	Application date
CA2982366 AA	20171010	CA20162982366	20160506
DE602015008066 D1	20180322	DE201560008066T	20150512
EP3092926 A1	20161116	EP20150001414	20150512
EP3092926 B1	20180221	EP20150001414	20150512
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EP3169209 A1	20170524	EP20160793284	20160506
EP3169209 A4	20171025	EP20160793284	20160506
ES2668940 T3	20180523	ES20150001414T	20150512
US2018049609 AA	20180222	US20160313495	20160506
WO16182956 A1	20161117	WO2016US31363	20160506

Priority:

EP20150001414 20150512 WO2016US31363 20160506

Probable Assignee: TRANZONIC COMPANIES

Assignee(s): (std): TRANZONIC COMPANIES ; VUYLSTEKE KENNETH F ; BLANCHARD MICHAEL DUANE

Assignee(s): NXT CAPITAL LLC AGENT AS ; RIST ATILLA ; VAN REENEN HANS ; TRANZONIC INTERMEDIATE HOLDINGS ; TZ ACQUISITION CORP ; TRANZONIC COMPANIES CLEVELAND

Inventor(s): (std): BAGDI SANDOR ; BLANCHARD MICHAEL DUANE ; RIST ATILLA ; VAN REENEN HANS ; VUYLSTEKE KENNETH F

Agent(s): GASTLE AND ASSOCIATES; LAWRIE DONALD JAMES; HUTCHISON CRAIG MCGREGOR; ELZABURU SLP ELZABURU SLP; KENDRICK THOMAS Y ET AL

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

Title: SHEET PRODUCT DISPENSERS WITH REDUCED SHEET PRODUCT ACCUMULATION AND RELATED METHODS

Abstract: A sheet product dispenser for dispensing sheet product from a supply of sheet product reduces accumulation of the sheet product in the chute. The dispenser comprises a housing including a chute having a sheet product dispensing opening, a sheet product feed roller assembly disposed in the housing and configured to feed sheet product from the supply of sheet product into the chute, and a pusher disposed in the housing and configured to engage the sheet product fed from the sheet product feed roller assembly at a location downstream from the sheet product feed roller assembly and push the sheet product fed from the sheet product feed roller assembly toward the dispensing opening to reduce accumulation of the sheet product in the chute. A related method of reducing accumulation of the sheet product in the chute also is provided.

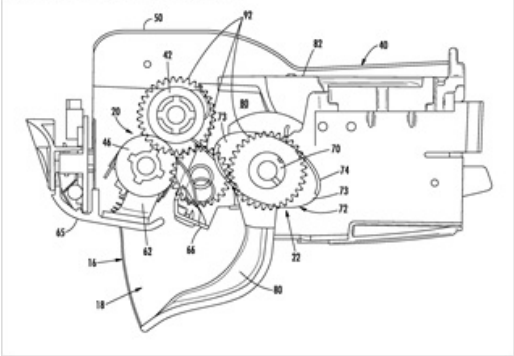
Classifications:

International (IPC 8-9): A47K10/36 A47K10/42 (Advanced/Invention)

CPC: A47K10/424 A47K10/3643 A47K10/3612 A47K10/3637 A47K2010/3881 A47K10/3656

US: 242/562

PatBase - US2017055787_AA



Family:

Publication number	Publication date	Application number	Application date
CA2995118 AA	20180207	CA20162995118	20160830
US2017055787 AA	20170302	US20160251731	20160830
WO17040507 A1	20170309	WO2016US49461	20160830

Priority:

US20150211917P 20150831 US20160251731 20160830 WO2016US49461 20160830

Probable Assignee: GPCP IP HOLDINGS LLC

Assignee(s): (std): GEORGIA PACIFIC CONSUMER PRODUCTS LP ; GPCP IP HOLDINGS LLC

Assignee(s): BORKE BRIAN SCOTT

Inventor(s): (std): BORKE BRIAN SCOTT

Agent(s): BLAKE CASSELS AND GRAYDON LLP; PAPPAS PETER G ET AL

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

Title: METHOD AND APPARATUS FOR MAKING A MEDIUM-FILLED PACKING

Abstract: There is disclosed a method and an apparatus for making a medium-filled packing of two superposed heat-sealable elongated webs of plastic film (3) which are thermally sealed in longitudinal and transverse directions of the film webs for forming packings (11), and where the formed packings are filled by medium and closed. The film webs (3) are passed between a pair of rollers (6) which are pressed against each other, retaining the film webs therebetween. Thermal sealing across part of the width of the film webs is performed so that unbroken longitudinal areas (9) without any thermal sealing appear in the longitudinal direction of the film webs (3). The medium is filled into the packing before closing it for the formation of the medium-filled packing.

Classifications:

International (IPC 8-9): B65B1/04 B65B1/32 B65B1/46 B65B17/00 B65B25/00 B65B3/04 B65B43/26 B65B5/00 B65B51/00 B65B57/00 B65B61/06 B65B63/08 B65B9/02 B65B9/04 B65B9/06 B65B9/08 B65G1/04 B65G47/52 B65G49/00 B65G57/02 B65G57/03 B65G69/04 B67D7/06 F25C1/00 F25C1/24 F25C5/16 F25C5/18 F25D19/00 G06F7/00 (Advanced/Invention); B65B17/00 B65B25/00 B65B43/26 B65B57/00 B65B61/00 B65B9/00 B65B9/06 (Core/Invention); B65B (Subclass/Invention)

International (IPC 1-7): B65B9/08

CPC: B65B1/06 B65B1/32 B65B9/073 B65B51/26 B65B51/303

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F25C5/187 F25C5/24

European: B65B1/06 B65B1/32 B65B51/26 B65B51/30B B65B61/28 B65B9/02B B65B9/073 B65B9/093 B65G1/04 B65G69/04A F25C5/00B4 F25C5/16 F25C5/18 F25C5/18B4 L65B220/22 R25D331/801

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JP F-Term: 3E050 3E050/AA02 3E050/AB02 3E050/AB08

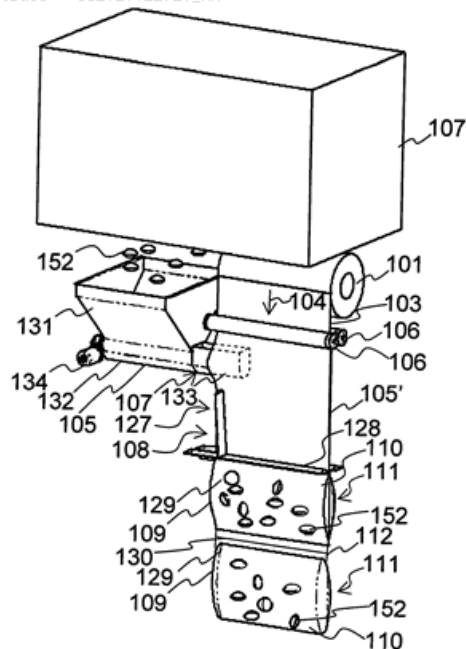
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JP F-Index: B65B9/02

PatBase - US2010011710_AA



Family:

Publication number	Publication date	Application number	Application date
AU2008209180 AA	20080731	AU20080209180	20080124
AU2008209180 BB	20120517	AU20080209180	20080124
BRPI0806910 A2	20140429	BR2008PI06910	20080124
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US8935906 BB	20150120	US20090578482	20091013
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Priority:

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US20090580146	20091015	US20100847898	20100730		

Probable Assignee: REDDY ICE TECHNOLOGY LLC

Assignee(s): (std): PAPE HENRIK ; REDDY ICE TECH LLC ; SCHUR INT A S ; SCHUR INTERNAT A S ; SCHUR TECHNOLOGY AS ; STRONG KEN ; SCHUR TECH AS

Assignee(s): MIDCAP FINANCIAL TRUST ; SCHUR TECHNOLOGY A S ; SCHUR INTERNATIONAL A S ; REDDY ICE TECHNOLOGY LLC ; SCHUR CONSUMER PRODUCTS INC

Inventor(s): (std): HENRIK PAPE ; STRONG KEN ; PAPE HENRIK

Agent(s): SPRUSON AND FERGUSON; MARKS AND CLERK; SILVANA MARIA LOPEZ DIAZ; NIELSEN LEIF; CARPINTERO MARIO; JAMES C WRAY; PROCOPIO CORY HARGREAVES AND SAVITCH LLP; JAMES CREIGHTON; HAYNES AND BOONE LLP; PATRADE A/S

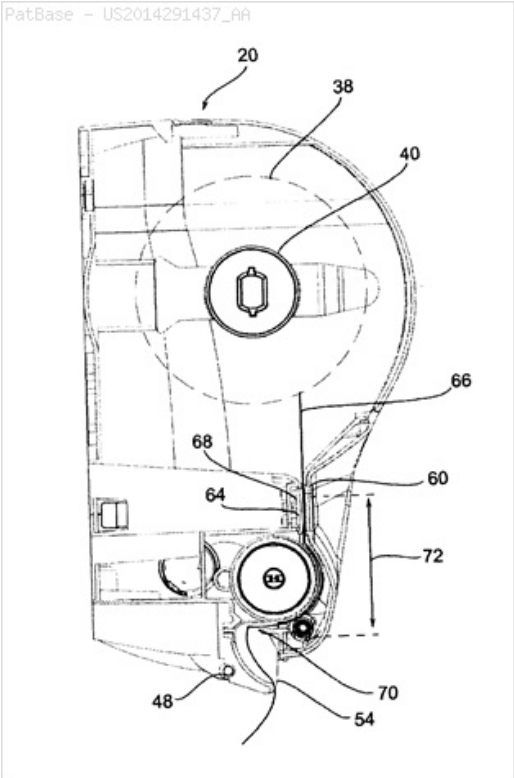
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Title: ELECTRONIC ROLL TOWEL **DISPENSER**

Abstract: This disclosure relates to a **dispenser** which in one embodiment is a motorized electric **dispenser** that reliably detects a request for a portion of product and electromechanically dispenses a pre-determined length of product to the user, without the user needing to directly touch any part of the **dispenser**. The **dispenser** comprises a product path passing between an engagement opening and a capacitive **sensor**. A **controller** is operatively configured to identify a dispense request based upon a detection signal received from the capacitive **sensor** and activate a drive **motor** upon the identification of the dispense request. The dispense request is defined as an introduction of a user target within an introduction threshold distance from the capacitive **sensor** followed by a removal of the user target beyond a removal threshold distance away from the capacitive **sensor**.

Classifications:

International (IPC 8-9): A47K10/26 A47K10/36 A47K10/38 B65H16/00 (Advanced/Invention)
CPC: A47K10/38 A47K10/36 A47K10/3625 A47K2010/3668
US: 242/563



Family:

Publication number	Publication date	Application number	Application date
US2014291437 AA	20141002	US20110128506	20110621
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Priority:

WO2011CA00733 20110621

Probable Assignee: DISPENSING DYNAMICS INT LTD

Assignee(s): (std): CORLEY LOCKLAND ; DISPENSING DYNAMICS INT LTD ; DISPENSING DYNAMICS INTERNAT LTD ; JACKMAN ANDREW ; TRAMPOLSKI ALEX ; WALLENER DAMIR ; LALAU RICHARD YBO

Assignee(s): DISPENSING DYNAMICS INTERNATIONAL LTD ; DISPENSING DYNAMICS INT PRODUCTS LTD

Inventor(s): (std): WALLENER DAMIR ; TRAMPOLSKI ALEX ; LALAU RICHARD YBO ; JACKMAN ANDREW ; CORLEY LOCKLAND

Agent(s): SEED INTELLECTUAL PROPERTY LAW GROUP LLP; LEE BRIAN ET AL

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

Title: SHEET PRODUCT DISPENSING UNIT AND A CARTRIDGE THEREFORE

Abstract: A dispensing apparatus combination includes a sheet product dispensing unit and a cartridge configured to support sheet product, the cartridge being so dimensioned and configured such that it can be located in operable communication with the dispensing unit. The cartridge includes a dispensing opening, and the dispensing unit includes an entry opening and a dispensing opening. The dispensing opening of the cartridge is disposed proximate the entry opening of the dispensing unit when the cartridge is located in operable communication with the dispensing unit such that sheet product is able to pass from the cartridge through the dispensing opening of the cartridge, through the entry opening of the dispensing unit, and through the dispensing opening of the dispensing unit, under a control of the dispensing unit.

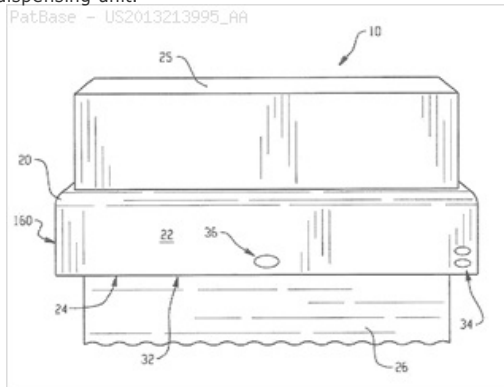
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International (IPC 8-9): A47K10/22 A47K10/38 B65H16/10 B65H3/06 (Advanced/Invention)

CPC: B65H3/06 A47K10/424 A47K10/44 A47K2010/3881

European: A47K10/36 A47K10/42C A47K10/44

US: 221/197



Family:

Publication number	Publication date	Application number	Application date
CA2809090 AA	20130221	CA20112809090	20110823
CA2809090 C	20171024	CA20112809090	20110823
US2013213995 AA	20130822	US20110816757	20110823
WO12027346 A2	20120301	WO2011US48777	20110823
WO12027346 A3	20120518	WO2011US48777	20110823

Priority:

US20100376055P 20100823 US20110816757 20110823 WO2011US48777 20110823

Probable Assignee: GEORGIA PACIFIC CONSUMER PRODUCTS LP

Assignee(s): (std): CASE ABBY ; GEORGIA PACIFIC CONSUMER PROD ; GEORGIA PACIFIC CONSUMER PRODUCTS LP ; GOEKING HAROLD JOHN ; HOREL BRIAN CHRISTOPHER

Assignee(s): GPCP IP HOLDINGS LLC

Inventor(s): (std): CASE ABBY ; GOEKING HAROLD JOHN ; HOREL BRIAN CHRISTOPHER

Agent(s): BLAKE CASSELS AND GRAYDON LLP; ARNOLD DAVID

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

Title: HYBRID **DISPENSER** SYSTEMS

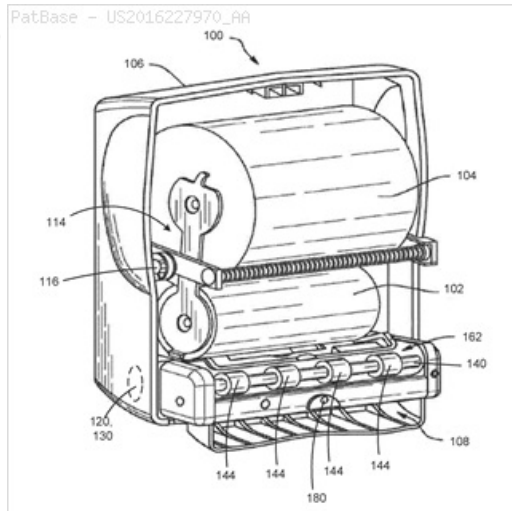
Abstract: Certain hybrid **dispenser** systems and methods of dispensing sheet product are provided. In one example, the method includes dispensing, by the **dispenser**, an exposed tail of sheet product upon activation of a proximity **sensor** associated with the **dispenser**. The method includes dispensing a second length of sheet product in response to a user manually exerting a pull force on the exposed tail. The method includes generating electrical energy using an electrical generator of the **dispenser**. An amount of electrical energy generated by the electrical generator is based in part on the second length of sheet product pulled by the user. The method includes charging an energy storage device electrically coupled to the electrical generator by transferring energy from the electrical generator to the energy storage device, and modifying the pull force the user exerts to dispense the second length by adjusting an energy transfer rate from the electrical generator to the energy storage device.

Classifications:

International (IPC 8-9): A47K10/36 A47K10/38 B26F3/02 B65H16/00 B65H16/02 B65H35/00 B65H43/00 (Advanced/Invention)

CPC: B65H43/00 A47K10/3612 A47K10/3625 B26F3/02 B65H35/006 B65H35/0086 B65H2404/14

US: 242/563.2



Family:

Publication number	Publication date	Application number	Application date
US2016227970 AA	20160811	US20160008629	20160128
US9701508 BB	20170711	US20160008629	20160128

Priority:

US20150113151P 20150206 US20160008629 20160128

Probable Assignee: GEORGIA PACIFIC CONSUMER PRODUCTS LP

Assignee(s): (std): GEORGIA PACIFIC CONSUMER PRODUCTS LP

Assignee(s): GPCP IP HOLDINGS LLC

Inventor(s): (std): DIAMOND RUSSELL

Agent(s): EVERSLEDs SUTHERLAND US LLP

Title: Integrated laundry center

Abstract: An integrated laundry center has an integrated cabinet assembly defining a plurality of discrete spaces. Each space can provide a separate module for performing a particular fabric care function. A washing machine is at least partly housed within a portion of the cabinet assembly defining a washer module. A clothes dryer is at least partly housed within a portion of the cabinet assembly defining a dryer module. A plurality of exterior decorative fascia panels are carried by the cabinet assembly and can be selected to coordinate with a decor of an individual's home. The integrated laundry center can also include any number of additional and optional modules providing virtually any desired fabric care function and equipment. The integrated laundry center can also incorporate an optional control system for controlling virtually any function of each of the integrated laundry center modules such as the washing machine functions and the clothes dryer functions. The integrated laundry center can be particularly designed to include only selected modules and to have the selected modules arranged and oriented as desired.

Classifications:

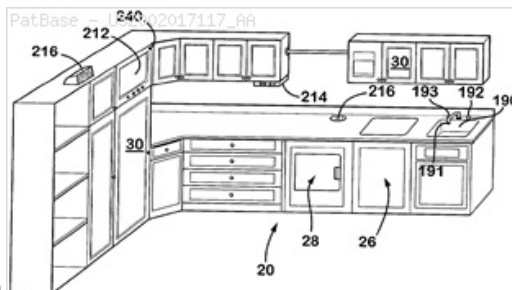
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CPC: D06F43/00 D06F43/02 D06F43/08 D06F43/088 A47B77/02 A47L15/0097 D06F29/005 D06F39/005 D06F39/12 D06F81/00 D06F95/00 D06F39/00 D06F29/00 A47B77/08 H01M4/926 H01M8/0215 H01M8/0236 H01M8/04097 H01M8/1009 A47B46/00 A47B77/06 B65F1/1436 D06F1/02 D06F31/00 D06F35/00 D06F39/022 D06F39/125 D06F58/10 D06F95/002 F25D23/12

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US: 1/1P 108/64 312/107 312/107S 312/228.1 68/13 68/13.00R 68/13.00RP 68/13.00RS 68/13R 68/18.00F 68/18F 68/18R 68/19 68/19.2 68/19.200S 68/196 68/196S 68/19S 68/20 68/205R 68/20S 68/235R 68/240 68/27 68/27P 68/3 68/3.00R 68/3.00RP 68/300R 68/38 68/3R 680/20 707/999.102S



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

Assignee(s): (std): WHIRLPOOL CO ; LUCKMAN JOEL A ; SUNSHINE RICHARD A ; VISWANATHAN AMERESH B ; TOMASI DONALD M ; UNDERLY KRISTINA K ; ACHTERBERG LORRAINE L ; CONRAD DANIEL C ; DOYLE COLLEEN M ; VISWANATHAN AMERESH BABU ; KENDALL JAMES W

Assignee(s): WHIRLPOOL CORP ; KENDALL JAMES WILLIAM ; WHIRLPOOL CORPORATION ; WRIGHT TREMITCHELL L ; DOYLE COLLEEN MARIE ; BALDINI MASSIMO ; LEITERT ANDREW ; KREFMAN STEPHEN D

Inventor(s): (std): ACHTERBERG LORRAINE L ; DOYLE COLLEEN M ; KENDALL JAMES W ; KREFMAN STEPHEN DAVID ; LEITERT ANDREW ; SUNSHINE RICHARD A ; UNDERLY KRISTINA K ; VISWANATHAN AMERESH B ; WRIGHT TREMITCHELL L ; TOMASI DONALD M ; WRIGHT TREMITCHELL ; VISWANATHAN AMERESH BABU ; TOMASI DONALD MARK ; LUCKMAN JOEL A ; KREFMAN STEPHEN D ; KENDALL JAMES WILLIAM ; DOYLE COLLEEN MARIE ; CONRAD DANIEL C ; BALDINI MASSIMO

Inventor(s): ACHTERBERG LORRAINE ; DOYLE COLLEEN ; DONALD MARK TOMASI ; DANIEL C CONRAD ; CONRAD DANIEL C WHIRLPOOL EUROPE SRL ; KENDALL JAMES ; KRISTINA K UNDERLY ; KREFMAN STEPHEN D WHIRLPOOL EUROPE SRL ; SUNSHINE RICHARD ; RICHARD A SUNSHINE ; MASSIMO BALDINI ; LUCKMAN JOEL A WHIRLPOOL EUROPE SRL ; VISWANATHAN AMERESH ; UNDERLY KRISTINA ; WRIGHT TREMITCHELL WHIRLPOOL EUROPE SRL ; TOMASI DONALD ; LUCKMAN JOEL ; KREFMAN STEPHEN ; CONRAD DANIEL

Agent(s): KIRBY EADES GALE BAKER; GUERCI ALESSANDRO; WHIRLPOOL PATENTS COMPANY - MD 0750; WHIRLPOOL PATENTS CO MD 0750; GREEN CLIFTON; LAFRENZ MICHAEL D; MICHAEL D; CLIFTON; CLIFTON G; MCGARRY BAIR PC

Designated states: DE ES FR GB IT

Title: DRUG FILLING MACHINE

Abstract: A drug filling machine having a plurality of feeders containing a plurality of different kinds of drugs. A plurality of the drugs are discharged from one or some of the feeders into a vial. A sealing unit is provided for sealing the mouth of the vial with a transparent sheet. The sealing unit includes a sheet presser for pushing the transparent sheet into the mouth of the vial to form a sealing sheet having a tray-shaped section, a **cutter** for **cutting** the transparent sheet into a predetermined shape, and a heater for fusing the transparent sheet to the top end of the vial to seal the mouth of the vial. A method of inspecting the drugs contained in the vial includes preparing the transparent sheet a sealing portion for covering the mouth of the vial, and a printed portion that protrudes outwardly of the mouth of the vial. After inspecting the drugs in the vial, the printed portion is separated from the sealing portion, and a cap is secured on the mouth of the vial.

Classifications:

International (IPC 8-9): A61J3/00 B65B5/10 B65B61/26 B65B7/16 B65B7/28 (Advanced/Invention);

A61J3/00 (Advanced/Non-invention)

International (IPC 1-7): A61J3/00 B65B35/54 B65B43/30 B65B5/06 B65B5/10 B65B61/02 B65B61/26

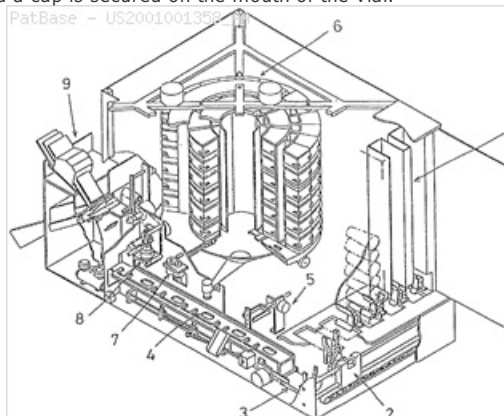
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US: 53/131.2 53/131.200P 53/131.3 53/131.4 53/131.5 53/154 53/155 53/168 53/171 53/237 53/238 53/247 53/247S 53/281 53/284.3 53/296 53/319 53/329.5 53/330 53/381.6 53/411 53/505 53/506 53/53 53/55 53/64

JP F-Term: 4C047 4C047/JJ01 4C047/JJ05 4C047/JJ07 4C047/JJ12 4C047/JJ21 4C047/JJ31 4C047/JJ32 4C047/JJ40 4C047/KK01 4C047/KK03 4C047/KK05 4C047/KK12 4C047/KK13 4C047/KK23 4C047/KK24 4C047/KK25 4C047/KK28 4C047/KK29 4C047/KK32

JP F-Index: A61J3/00/310/E



Family:

Publication number	Publication date	Application number	Application date
JP10033636 A2	19980210	JP19970104671	19970422
KR100491632 B1	20050909	KR19980020017	19980530
KR19990062414 A	19990726	KR19980020017	19980530
US2001001358 AA	20010524	US20010756115	20010109
US5946883 A	19990907	US19970988383	19971210
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Priority:

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Probable Assignee: YUYAMA SEISAKUSHO KK

Assignee(s): (std): YUYAMA SEISAKUSHO KK ; YUYAMA SHOJI

Assignee(s): HAMADA HIROYASU ; KABUSHIKI KAISHA YUYAMA SEISAKUSHO ; YUYAMA MFG CO LTD

Inventor(s): (std): HAMADA HIROYASU ; YUYAMA SHOJI

Title: INTEGRATED HEALTH DATA CAPTURE AND ANALYSIS SYSTEM

Abstract: The present invention provides an integrated health care surveillance and monitoring system that provides real-time sampling, modeling, analysis, and recommended interventions. The system can be used to monitor infectious and chronic diseases. When faced with outbreak of an infectious disease agent, e.g., influenza virus, the system can identify active cases through pro-active sampling in high risk locations, such as schools or crowded commercial areas. The system can notify appropriate entities, e.g., local, regional and national governments, when an event is detected, thereby allowing for proactive management of a possible outbreak. The system also predicts the best response for deployment of scarce resources.

Classifications:

International (IPC 8-9): A61B5/00 G01N33/48 G01N33/50 G01N33/53 G01N33/573 G01N33/68 G01N35/00 G06F G06F17/00 G06F17/18 G06F17/30 G06F19/00 G06F19/12 G06G7/48 G06N7/00 G06Q50/00 G06Q50/22 G06Q50/26 G16H15/00 G16H40/00 G16H50/50 G16H50/80 (Advanced/Invention); G06F19/00 (Core/Invention); G08B23/00 (Core/Non-invention); G06F G06Q (Subclass/Invention)

International (IPC 1-7): G06F17/00

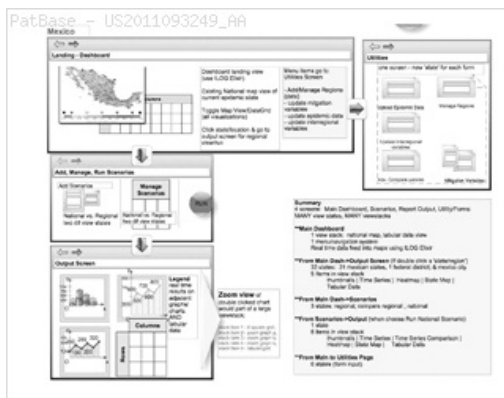
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European: G06F19/34S

US: 1/1 702/19 703/11 703/6 703/6P 705/2

JP F-Term: 2G058 2G058/AA09 2G058/GD07 2G058/GE06 5L099 5L099/AA00 5L099/AA03 5L099/AA15 2G045 2G045/AA25 2G045/CA25 2G045/CA26 2G045/CB03 2G045/CB04 2G045/CB07 2G045/CB14 2G045/DA20 2G045/DA36 2G045/DA44 2G045/CB08 2G045/DA37 2G045/DA80 5B049 5L049 5L049/CC35

JP F-Index: G01N35/00/A G01N35/00/E G06F17/60/126/W G06F17/60/126/Z G06Q50/22 G06Q50/22/104 G06Q50/22/130 G01N33/48/Z G01N33/53/P G01N33/53/V G01N33/53/X G01N33/573/A G01N33/68 G01N33/50/T G06Q50/26

**Family:**

Publication number	Publication date	Application number	Application date
AU2010308329 AA	20110428	AU20100308329	20101018
AU2010308329 BB	20161013	AU20100308329	20101018
AU2016247105 AA	20161103	AU20160247105	20161019
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Priority:

US20090253015P 20091019	AU20100308329 20101018	JP20120535283 20101018
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Probable Assignee: THERANOS INC

Assignee(s): (std): GIBBONS IAN ; HOLMES ELIZABETH A ; MICHELSON SETH G ; THERANOS INC ; YOUNG DANIEL L

Assignee(s): THERANOS IP CO LLC ; FORTRESS CREDIT CORP

Inventor(s): (std): YOUNG DANIEL ; YOUNG DANIEL L L ; SETH G MICHELSON ; MICHELSON SETH G G ; IAN GIBBONS ;
HOLMES ELIZABETH A EA ; GIBBONS IAN I ; ELIZABETH A HOLMES ; DANIEL L YOUNG ; YOUNG
DANIEL L ; MICHELSON SETH G ; HOLMES ELIZABETH A ; GIBBONS IAN

Inventor(s): HOLMES ELIZABETH

Agent(s): SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; COLE
WILLIAM GWYN; EITAN MEHULAL AND SADOT; SPRUSON AND FERGUSON ASIA PTE LTD; KIM ELAINE A
ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU
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SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: DEVICE FOR DISPENSING A LIQUID

Abstract: The invention concerns a base station (5) for a liquid dispensing apparatus, comprising drive means (93), means for supporting a container (4) having a dispensing device (3) which comprises a liquid duct (69) leading from the container (4) to an outlet (85) and means (6) for effecting passage of liquid through the duct (69), and coupling means (521) connected to drive means (93) and detachably connectable to the dispensing device (3) to actuate the means (6) for effecting passage of liquid through duct (69), characterized in that the means for supporting container (4) and dispensing device (3) comprise a holder (551), and in that the coupling means (521) are movable towards holder (551) to connect to dispensing device (3) and away from holder (551) after disconnecting from dispensing device (3).

Classifications:

International (IPC 8-9): B65B1/04 B67B1/00 B67D1/00 B67D1/04 B67D1/12 (Advanced/Invention);

B65B1/04 B67D1/00 B67D1/08 (Core/Invention);

B67D (Subclass/Invention)

International (IPC 1-7): B67D1/00 B67D1/08

CPC: B67D1/0004 B67D1/0007 B67D1/0031 B67D1/0078

B67D1/0079 B67D1/0889 B67D1/10 B67D2001/0817

European: B67D1/00E2 B67D1/00E2B4 B67D1/00F4B4C2B

B67D1/00H6 B67D1/00H6B B67D1/08K B67D1/10 L67D1/08A32B4

US: 141/346 141/383 222/153.06 222/165 222/185.1 222/325

222/333 222/404 239/271 239/309 239/315 239/316 239/318 99/295

JP F-Term: 3E082 3E082/AA02 3E082/BB01 3E082/CC05

3E082/DD01 3E082/FF09

JP F-Index: B67D1/04/D B67D1/12

PatBase - US2010186851_AA

Parent Application Publication Jul. 29, 2013 Sheet 1 of 36 US 2010/0186851 A1

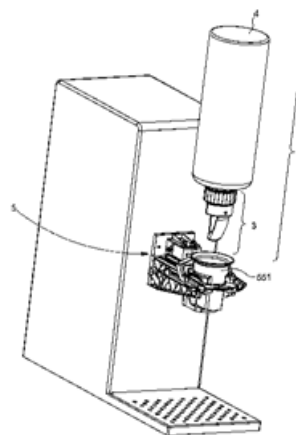


Fig. 1A

Family:

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DE602007008873 D1	20101014	DE200760008873T	20070719
EP2017219 A1	20090121	EP20070014190	20070719
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Priority:

EP20070014190 20070719 WO2008EP59271 20080716

Probable Assignee: SMIXIN SA

Assignee(s): (std): BHALERAO AMOL ASHOK ; BITMEAD NAOMI ; COOPER GARY ; GUILLEMAIN BERNARD ; HERRICK JAMES PETER ; KLOPFENSTEIN ANDRE ; NESTEC LTD ; NESTEC SA ; MORRISON RANDALL L ; MOCK ELMAR ; RUSCH CHRISTOPH ; SMIXIN S A ; KLOPFENSTEINH ANDRE

Assignee(s): SMIXIN SA ; NESTEC S A

Inventor(s): (std): ANDRE KLOPFENSTEIN ; ASHOK BHALERAO AMOL ; BERNARD GUILLEMAIN ; BHALERAO AMOL ASHOK ; BITMEAD NAOMI ; ELMAR MOCK ; GARY COOPER ; GUILLEMAIN BERNARD ; CHRISTOPHE RUSCH ; COOPER GARY ; HERRICK JAMES PETER ; KLOPFENSTEIN ANDRE ; KLOPFENSTEINH ANDRE ; MOCK ELMAR ; MORRISON RANDALL L ; MORRISON RANDALL L ; NAOMI BITMEAD ; PETER HERRICK JAMES ; RUSCH CHRISTOPH ; RUSCH CHRISTOPHE ; CHRISTOPH RUSCH

Inventor(s): AMOL ASHOK BHALERAO ; RANDAL L MORRISON ; RANDALL L MORRISON ; MORRISON RANDALL ; JAMES PETER HERRICK ; HERRICK JAMES ; BHALERAO AMOL

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; RAVENEL THIERRY GERARD LOUIS ET AL; RAVENEL THIERRY GERARD LOUIS; K AND L GATES LLP; DUCREUX MARIE

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

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EP1451513 A1	20040901	EP20020757162	20020816
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Priority:

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Probable Assignee: FIREPASS CORP

Assignee(s): (std): FIREPASS CORP ; FIREPASS IP HOLDINGS INC ; HYPOXICO INC ; KOTLIAR IGOR K ; IGOR K KOTLIAR ; KOTLIAR IGOR ; KOTLIAR IGOR K

Assignee(s): HYPOXICO INC NEW YORK ; IGOR KOTLIAR ; INTELLECTUAL PROPERTY HOLDING LTD

Inventor(s): (std): IGOR K KOTLIAR ; KOTLIAR IGOR K ; KOTLIAR K ; KOTLIAR IGOR K ; KOTLIAR IGOR

Inventor(s): KOTLIAR IGOR' K.

Agent(s): PETER MAXWELL AND ASSOCIATES; OGILVY RENAULT LLP SENCRL SRL; ROBIC; WOLFF BREGMAN AND GOLLER; IGOR K KOTLIAR; IGOR KOTLIAR; IGOR K; ORRICK HERRINGTON AND SUTCLIFFE LLP

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

Title: PAPER DISPENSER

Abstract: Device for the dispensing of **paper** with varying use, for instance as toilet **paper**, wet napkins, towel **paper** etc. that includes an electrical perforating device and means for individual spraying of water or water with an additive of soap etc. on the **paper** that is to be dispensed, controlled by the need.

Classifications:

International (IPC 8-9): A47K10/32 A47K10/34 A47K10/36

B65D83/00 (Advanced/Invention);

A47K10/24 B65D83/00 (Core/Invention);

A47K (Subclass/Invention)

International (IPC 1-7): A47K10/32 A47K10/36

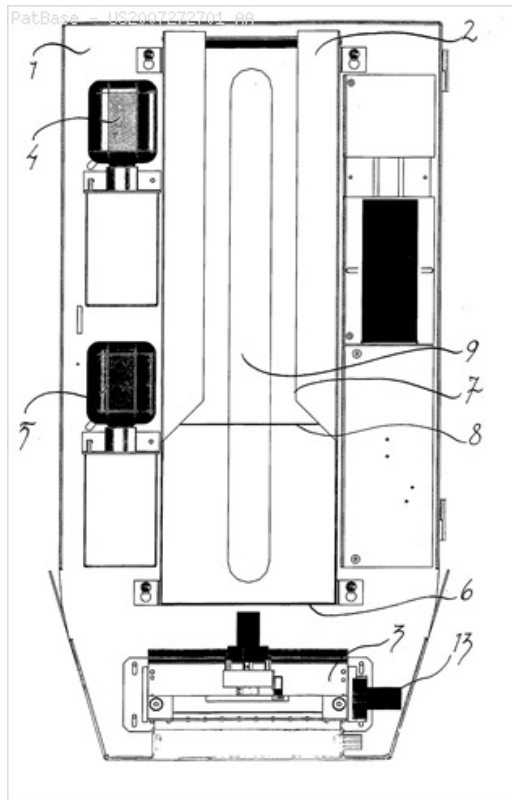
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US: 221/135

JP F-Term: 2D035

JP F-Index: A47K10/34/A A47K10/34/B

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: OPTI SVERIGE AB

Assignee(s): (std): CARLSEN LENNART ; CARLSSON KURT ; CARLSSON RICKARD ; HAAKAN MANN ; MANN HAAKAN ; OPTI SVERIGE AB ; MANN HAKAN

Assignee(s): RICKARD CARLSSON ; LENNART CARLSEN ; KURT CARLSSON

Inventor(s): (std): LENNART CARLSSON RICKARD CARLS ; MANN HAAKAN ; RICKARD CARLSSON ; LENNART CARLSEN ; KURT CARLSSON ; HAAKAN MANN ; MANN HAKAN ; CARLSEN LENNART ; CARLSSON KURT ; CARLSSON RICKARD

Inventor(s): CARLSSON RICKARD CARLSSON KURT MANN HAAKAN ; CARLSSON RICKARD CARLSSON KURT MANN HAAKAN CARLSEN ; CARLSSON RICKARD CARLSSON KURT MANN HAAKAN CARLSEN LENNART

Agent(s): BERGLUND ERIK WILHELM; HAYES SOLOWAY PC

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

Title: DEVICE FOR DISPENSING A LIQUID

Abstract: The invention concerns a device (3) for dispensing a liquid, the device being connectable to a container (4) containing the liquid and detachably connectable to a base station (5) having drive means (524), the device (3) comprising a liquid duct (69) and means (6) actuated by drive means (524) for effecting passage of liquid through the duct (69), characterized in that the device (3) comprises a **cutter** (101) for piercing a tamper resistant foil (41) positioned across the outlet of the container (4) and that means (103) for actuating the **cutter** are operable from outside the device (3).

Classifications:

International (IPC 8-9): B67D1/00 B67D1/08 B67D1/12

B67D3/00 (Advanced/Invention);

B67D1/00 B67D1/08 B67D3/00 (Core/Invention)

International (IPC 1-7): B67D1/08

CPC: B67B7/28 B67D1/0007 B67D1/0037 B67D1/0044 B67D1/0046

B67D1/0079 B67D1/0847 B67D1/10 B67D1/1275 B67D2001/0811

B67D2001/0817

European: B67B7/28 B67D1/00E2B4 B67D1/00F4B6B4

B67D1/00H2B B67D1/00H2B4 B67D1/00H6B B67D1/08B6H

B67D1/10 B67D1/12L4 L67D1/08A30 L67D1/08A32B4

US: 222/129.1 222/185.1 222/325 222/333 222/481.5 222/82

222/82P 222/83

PatBase - US2010193544_AA

Parent Application Publication Aug. 5, 2010 Sheet 1 of 30 US 2010/0193544 A1

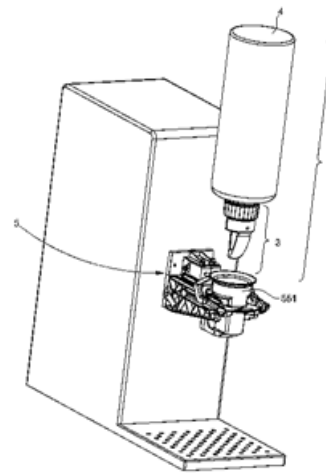


Fig. 1A

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US2010193544 AA	20100805	US20080669737	20080708
US8820577 BB	20140902	US20080669737	20080708
WO09010418 A2	20090122	WO2008EP58827	20080708
WO09010418 A3	20090312	WO2008EP58827	20080708

Priority:

EP20070014191 20070719 WO2008EP58827 20080708

Probable Assignee: SMIXIN SA

Assignee(s): (std): BHALERAO AMOL ASHOK ; BITMEAD NAOMI ; COOPER GARY ; GUILLEMAIN BERNARD ; HERRICK JAMES PETER ; KLOPFENSTEIN ANDRE ; NESTEC LTD ; NESTEC SA ; RUSCH CHRISTOPH ; MORRISON RANDALL L ; MOCK ELMAR

Assignee(s): SMIXIN SA ; NESTEC S A

Inventor(s): (std): ANDRE KLOPFENSTEIN ; ASHOK BHALERAO AMOL ; BERNARD GUILLEMAIN ; BHALERAO AMOL ASHOK ; CHRISTOPH RUSCH ; COOPER GARY ; ELMAR MOCK ; GUILLEMAIN BERNARD ; BITMEAD NAOMI ; HERRICK JAMES PETER ; KLOPFENSTEIN ANDRE ; KLOPFENSTEIN ANDRE ; MOCK ELMAR ; NAOMI BITMEAD ; PETER HERRICK JAMES ; RUSCH CHRISTOPH ; RUSCH CHRISTOPHE ; MORRISON RANDALL L

Inventor(s): HERRICK JAMES PETER AND

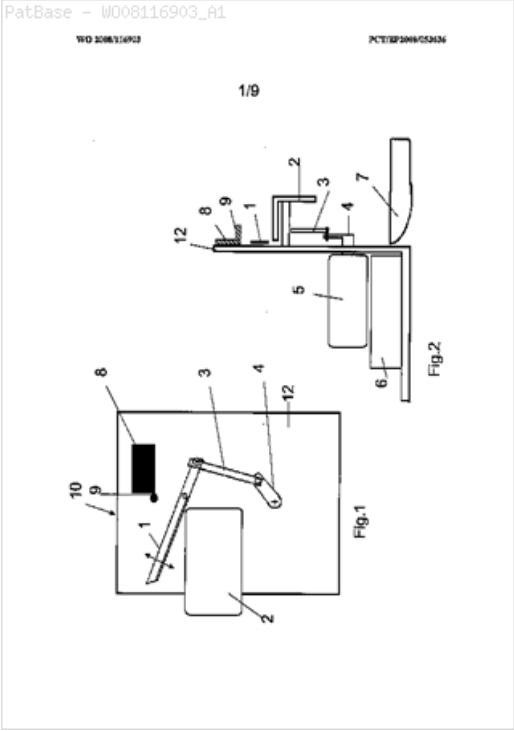
Agent(s): RAVENEL THIERRY GERARD LOUIS ET AL; RAVENEL THIERRY GERARD LOUIS; K AND L GATES LLP; DUCREUX MARIE

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

Title: AUTOMATIC APPARATUS FOR OPENING PACKETS OR THE LIKE

Abstract: An automatic apparatus (10) for opening packets or the like by trimming off an end portion of a closed edge of said packet using **cutting** means. It uses at least one trimming **cutter** (1) and counter-**cutter** (2), which are movable in a reciprocating manner one against the other by **motor** drive means, with the respective **cutting** edges coplanar to a plane that contains the **cutting** line and along which the blade or both blades of said **cutter** (1) and counter-**cutter** (2) move; **sensor** means (16) are also provided for sensing the presence of a portion of the packet intersecting said **cutting** plane and between the **cutting** edges of the **cutter** (1) and counter-**cutter** (2); said **sensors** (16) actuate the **motor** drive means, and hence the trimming device, through a control circuit. This system is contained in a case (20) having a slit (30) for introducing the packet and avoiding any accidental contact of the trimming means with any part of the body and particularly with the fingers of a hand.

Classifications:
International (IPC 8-9): B26D5/28 B65B69/00 (Advanced/Invention); B26D5/20 B65B69/00 (Core/Invention)
CPC: B26D5/38 B26D1/30 B26D5/10 B26D7/22 B65B69/0033 B67B7/30
European: B26D1/30 B26D5/10 B26D5/38 B26D7/22 B65B69/00C



Family:

Publication number	Publication date	Application number	Application date
ITSV20070013 A1	20080928	IT2007SV00013	20070327
WO08116903 A1	20081002	WO2008EP53636	20080327

Priority:

IT2007SV00013 20070327

Probable Assignee: LA ROSA CLAUDIO

Assignee(s): (std): LA ROSA CLAUDIO

Inventor(s): (std): LA ROSA CLAUDIO

Agent(s): KARAGHIOSOFF GIORGIO A

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

Title: METHOD AND SYSTEM FOR PROCESSING AND/OR FLAVOURING FOODSTUFFS

Abstract: 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.

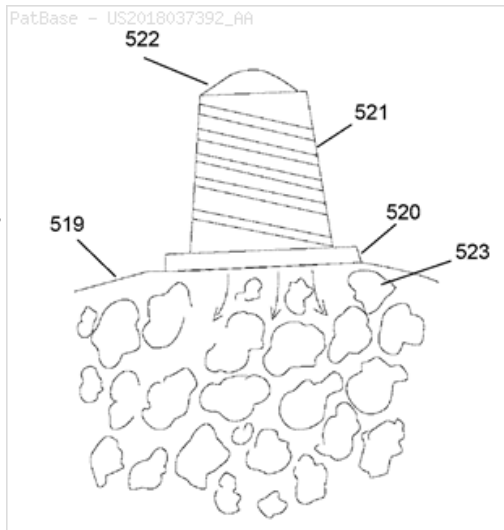
Classifications:

International (IPC 8-9): A23L27/00 A23L5/00 A23L5/10 A23L7/161 A23L7/191 B65D1/32 B65D25/38 B65D51/28 B65D77/24 B65D81/32 B65D81/34 B65D83/06 (Advanced/Invention)

CPC: B65D83/06 B65D51/2807 B65D1/32 B65D81/32 A23L7/191 A23L27/70 A23L27/88 B65D25/42 B65D77/24

JP F-Term: 3E013 3E013/BB06 3E013/BC04 3E013/BD10 3E013/BE01 4B025 4B025/LB12 4B025/LG07 4B025/LG60 4B025/LK03 4B025/LP01 4B025/LP10 4B025/LT06 4B035 4B035/LC01 4B035/LC12 4B035/LE01 4B035/LG34 4B035/LG57 4B035/LK01 4B035/LP16 4B035/LP59 4B035/LT01 4B035/LT16 4B047 4B047/LB10 4B047/LE10 4B047/LF02 4B047/LG64 4B047/LP02 4B047/LP05 4B047/LP14

JP F-Index: A23L27/00/Z A23L5/00/H A23L5/10/C A23L7/161 B65D81/34/U

**Family:**

Publication number	Publication date	Application number	Application date
AU2015378471 AA	20160728	AU20150378471	20151126
CN107531394 A	20180102	CN201580076031	20151126
EP3247652 A1	20171129	EP20150878316	20151126
IN201717027952 A	20171013	IN201717027952	20170807
JP2018508189 T2	20180329	JP20170536860T	20151126
KR20170106439 A	20170920	KR20177023152	20151126
US2018037392 AA	20180208	US20150544009	20151126
WO16115587 A1	20160728	WO2015AU00717	20151126

Priority:

AU20150900147 20150120 AU20150900394 20150209 WO2015AU00717 20151126

Probable Assignee: LUMINUTTY PTY LTD

Assignee(s): (std): LUMINUTTY PTY LTD

Inventor(s): (std): SCHWALB YARON ; TRAN VAN NGUYEN

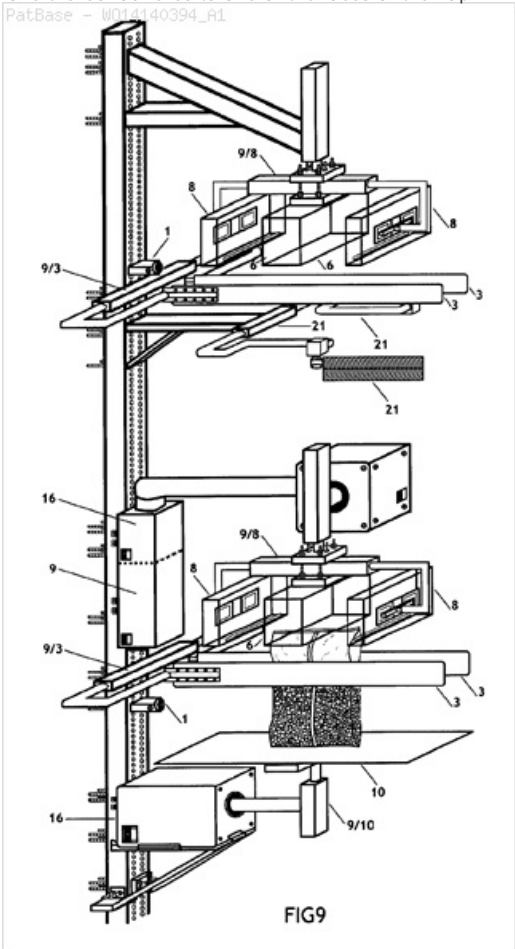
Agent(s): SMOORENBURG PATENT AND TRADE MARK ATTORNEYS; BOULT WADE TENNANT

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

Title: METHOD AND MACHINES FOR TRANSFORMING PACKAGING

Abstract: The invention concerns a method and machine for transforming sealed packaging made from flexible **material** into cubes, the initial packaging being gripped and blocked by a set of securing clamps in the transverse region of both faces. One of the lateral faces of the packaging is then struck by an impact clamp, the two flaps are sealed by sealing and **cutting** clamps, and the packaging is rotated through 180 degrees in order to be subsequently secured. Two closure systems then slow down and meter the liquid fluids of the packaging by means of multiple labyrinth welding lines which seal the two faces such that a set of two small parallel gripping plates grasp the flap and one thereof adheres to one of the faces of the flap.

Classifications:
International (IPC 8-9): B65B3/02 B65D5/00
B65D77/06 (Advanced/Invention)
CPC: B65D33/1675 B65D77/06 B65B3/02 B65B51/146 B65B61/24
B65D75/50 B65D77/12



Family:

Publication number	Publication date	Application number	Application date
WO14140394 A1	20140918	WO2014ES00041	20140311
WO14140394 A8	20150115	WO2014ES00041	20140311

Priority:

ES20130000271 20130308

Probable Assignee: LOPEZ AROSTEGUI SAENZ GUILLERMO

Assignee(s): (std): LOPEZ AROSTEGUI SAENZ GUILLERMO

Inventor(s): (std): LOPEZ AROSTEGUI SAENZ GUILLERMO

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

Title: PHARMACY MANAGEMENT AND ADMINISTRATION WITH BEDSIDE REAL-TIME MEDICAL EVENT DATA COLLECTION

Abstract: Methods and systems for automatically establishing an enhanced electronic health record (EHR) for a patient include an automatic data collection facility that collects data of a medically related event in proximity to a patient upon occurrence of the event. The collected data may include medication administration data such as medication, time of administration, administration of a dosage of medication, reaction data, and the like. The collected data is communicated to a real-time data integration facility that automatically integrates the data with a patient's electronic health record to establish an enhanced electronic health record.

Classifications:

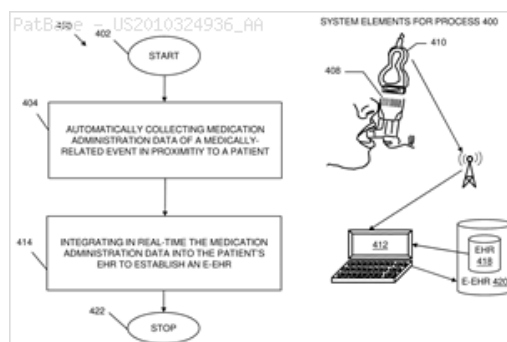
International (IPC 8-9): G06F15/18 G06F19/00 G06F3/048
G06Q10/00 G06Q10/06 G06Q30/00 G06Q50/00 G06Q50/22

G06Q50/24 (Advanced/Invention)

CPC: G06F19/3462 G06F19/328 G06Q10/06 G06Q50/22 G06Q50/24
G16H10/60 G16H50/20 G16H50/70 Y02A90/22 Y02A90/26
G06F19/00

European: G06F19/32C G06F19/32H G06F19/34J G06F19/34K
G06F19/34L1 G06Q10/06 G06Q50/22 G06Q50/24

US: 235/375 235/375S 705/2 705/2S 705/3 705/3P 706/12 706/12S
715/810 715/810S

**Family:**

Publication number	Publication date	Application number	Application date
US2010324936 AA	20101223	US20100765681	20100422
US2012303388 AA	20121129	US20120568017	20120806
US2017262614 AA	20170914	US20160355296	20161118
US9501624 BB	20161122	US20120568017	20120806
WO10124137 A1	20101028	WO2010US32122	20100422

Priority:

US20090171767P	20090422	US20100313775P	20100314	US20100315775P	20100319
US20100765681	20100422	US20120568017	20120806	US20160355296	20161118

Probable Assignee: MILLENNIUM PHARMACY SYSTEMS LLC

Assignee(s): (std): LISTER ANDREW JONATHAN ; MCKILLIP RONALD LEO ; MILLENNIUM PHARMACY SYSTEMS INC ; MILLER CHRISTOPHER LEE ; POLISEO JOSEPH B ; NEWTZIE GARICK GEORGE ; MILLENNIUM PHARMACY SYSTEMS IN ; MILLENNIUM PHARMACY SYSTEMS LLC ; VISHNUBHATLA SURESH KUMAR VENKATA ; STURGEON LENA ELIZABETH

Assignee(s): BANK OF AMERICA NA COLLATERAL AGENT AS ; GOLDMAN SACHS BANK USA AGENT AS ; MIDCAP FUNDING IV LLC AGENT AS ; MIDCAP FUNDING V LLC AGENT AS

Inventor(s): (std): LISTER ANDREW JONATHAN ; MCKILLIP RONALD LEO ; MILLER CHRISTOPHER LEE ; NEWTZIE GARICK GEORGE ; POLISEO JOSEPH B ; STURGEON LENA ELIZABETH ; VISHNUBHATLA SURESH KUMAR VENKATA

Agent(s): GTC LAW GROUP LLP AND AFFILIATES; GTC LAW GROUP PC AND AFFILIATES; MONOCELLO JOHN A

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

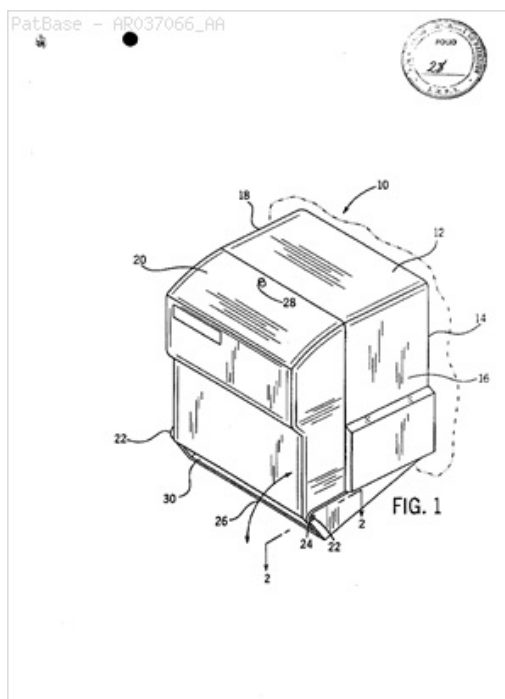
Title: METODO PARA SURTIR MATERIAL FLEXIBLE EN LAMINA DESDE UN SURTIDOR, SURTIDOR DE PAPEL EN ROLLO CONTROLADO ELECTRONICAMENTE Y DISPOSICION DE COMUNICACION DE DATOS PARA USO CON EL SURTIDOR. METHOD TO PROVIDE FLEXIBLE MATERIAL IN ELECTRONICALLY LAMINATES FROM A JET, JET OF CONTROLLED ROLL PAPER AND DISPOSITION OF DATA COMMUNICATION FOR USE WITH THE JET. (Machine translation)

Abstract: Source: AR037066A [ES] Un surtidor, controlado en forma electronica, de toalla en rollo que tiene un sistema para transmision de datos. El surtidor suministra en forma automatica un tramo predeterminado de toalla de papel desde el rollo de suministro, despues de que a un tramo de toalla lo hubo separado un usuario que tira de, y arranca la, toalla sobresaliente haciendola pasar sobre una hoja estacionaria de corte. El surtidor se alimenta con pilas y tiene un motor electrico, un mecanismo electromecanico de suministro y un microregulador incorporado para controlar la operacion de vigilancia del surtidor. Ademas de las funciones primordiales de control, el microregulador vigila parametros tales como la condicion de las pilas, cuanto se usa de la toalla, el estado del sistema, los errores del sistema y las condiciones de operacion carentes de seguridad. Tambien se proporciona interruptores por pulsador para programar la longitud de los tramos de toalla y el retardo en el suministro. El surtidor comprende, ademas, un transmisor optico para transmitir datos visuales e infrarrojos hacia un dispositivo receptor. Informacion util sobre el estado del surtidor la puede discernir, de manera visible, un operador, por medio del empleo de patrones primitivos de destello de baja velocidad, al tiempo que datos digitales infrarrojos de alta velocidad simultaneamente se pueden incorporar en o multiplexarse con los datos visibles.

Machine translation: A jet, controlled in electronic form, of roll towel that has a system for data transmission. Jet provides in form automatic section predetermined of towel of paper from roll of provision, after to a towel section there was separated a user who throws of, and starts, excellent towel making happen it over a stationary leaf of cut. The jet is fed with batteries and has an electrical motor, an electromechanical mechanism of provision and an incorporated microregulator to control the operation of monitoring of the jet. In addition to the fundamental functions of control, the microregulator watches parameters such as the condition of the batteries, whatever is used of the towel, the state of the system, the devoid errors of the system and conditions of operation of security. Also one provides switches by pulser to program the length of the towel sections and the retardation in the provision. The jet includes/understands, in addition, an optical transmitter to transmit visual and infrared data towards a receiver. Useful information on the state of the jet can discern it, of visible way, an operator, by means of the use of primitive patterns of sparkle of low speed, to the time that infrared digital data of high speed simultaneously can be incorporated in or multiplexar themselves with the visible data.

Classifications:

International (IPC 1-7): A47K10/36 B65H26/06



Family:

Publication number	Publication date	Application number	Application date
AR037066 AA	20041020	AR2000P101932	20000425

Priority:

AR2000P101932 20000425

Probable Assignee: COLMAN GROUP INC

Assignee(s): (std): COLMAN GROUP INC

Assignee(s): THE COLMAN GROUP INC

Inventor(s): (std): COLLINS SCOTT ; HOYT STEVEN D ; HUBANKS BRIAN ; OMDOLL PAUL A

Title: DEVICE FOR DISPENSING A LIQUID

Abstract: The invention concerns Device (3) for dispensing a liquid, the device being connectable to a container (4) containing the liquid and detachably connectable to a base station (5) having drive means, the device (3) comprising a liquid duct (69) leading from the container (4) to an outlet (85, 85A) and means (6) for effecting passage of liquid through the duct (69), characterized in that the device comprises an outer cover (301) closing the outlet (85, 85A), the cover (301) being openable so that the outlet (85, 85A) is opened when the device (3) is connected to base station (5), and reclosable.

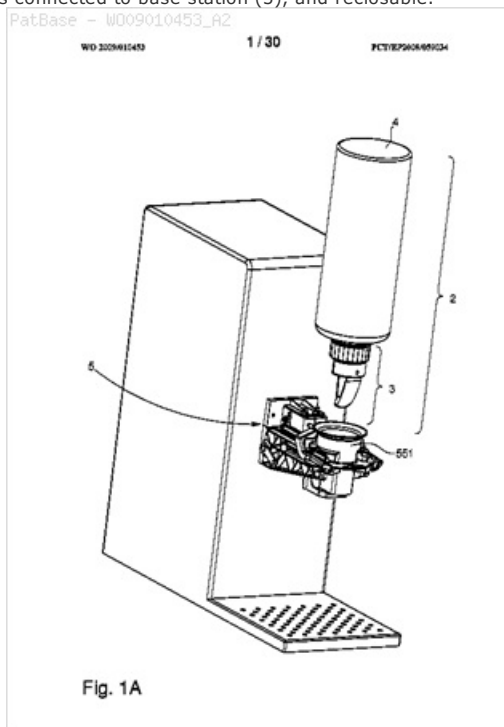
Classifications:

International (IPC 8-9): B67D1/00 B67D1/12 (Advanced/Invention); B67D1/00 B67D1/08 (Core/Invention)

International (IPC 1-7): B67D1/08

CPC: B67D1/0007 B67D1/0037 B67D1/0044 B67D1/0046 B67D1/0079 B67D1/10 B67D1/1275 B67D2001/0811 B67D2001/0817

European: B67D1/00E2B4 B67D1/00F4B6B4 B67D1/00H2B B67D1/00H2B4 B67D1/00H6B B67D1/10 B67D1/12L4 L67D1/08A30 L67D1/08A32B4



Family:

Publication number	Publication date	Application number	Application date
EP2017221 A1	20090121	EP20070014192	20070719
TH98623 A	20091012	TH20081003747	20080716
TW200909334 A	20090301	TW20080127527	20080718
WO09010453 A2	20090122	WO2008EP59034	20080710
WO09010453 A3	20090312	WO2008EP59034	20080710

Priority:

EP20070014192 20070719

Probable Assignee: NESTEC LTD

Assignee(s): (std): BHALERAO AMOL ASHOK ; BITMEAD NAOMI ; GUILLEMAIN BERNARD ; HERRICK JAMES PETER ; KLOPFENSTEIN ANDRE ; MOCK ELMAR ; NESTEC LTD ; NESTEC SA ; RUSCH CHRISTOPH ; MORRISON RANDALL L

Assignee(s): NESTEC S A

Inventor(s): (std): BHALERAO AMOL ASHOK ; BITMEAD NAOMI ; GUILLEMAIN BERNARD ; HERRICK JAMES PETER ; KLOPFENSTEIN ANDRE ; MOCK ELMAR ; MORRISON RANDALL L ; RUSCH CHRISTOPH ; RUSCH CHRISTOPHE

Inventor(s): HERRICK JAMES PETER AND

Agent(s): RAVENEL THIERRY GERARD LOUIS ET AL; DUCREUX MARIE

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

Title: PACKAGING MACHINE WITH A LABELLING DEVICE

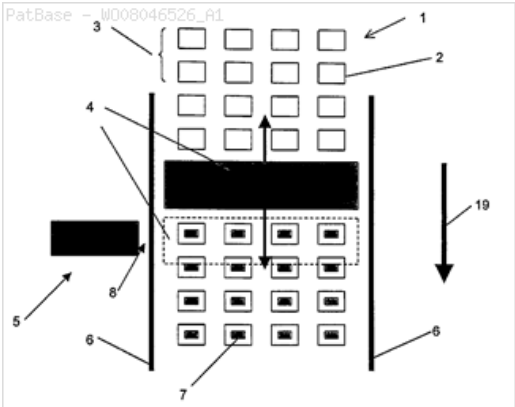
Abstract: The present invention relates to a packaging machine with a labelling device which has a label **dispenser** (5) and a placement casing (4), the label **dispenser** providing labels and the placement casing applying the labels to packs (2), in the case of which, during operation of the packaging machine, the label **dispenser** is arranged in a stationary manner and the placement casing positions the labels above the packs, preferably in and counter to a running direction of the machine, and applies them.

Classifications:

International (IPC 8-9): B65C1/02 B65C9/18 B65C9/26
B65C9/42 (Advanced/Invention);
B65C1/00 B65C9/00 B65C9/08 B65C9/26 (Core/Invention)

CPC: B65C1/021 B65C9/1876

European: B65C1/02B B65C9/18B4



Family:

Publication number	Publication date	Application number	Application date
DE102006047488 A1	20080410	DE200610047488	20061005
DE102006047488 B4	20171221	DE200610047488	20061005
EP2076443 A1	20090708	EP20070818729	20071005
RU2009116663 A	20101110	RU20090116663	20071005
WO08046526 A1	20080424	WO2007EP08653	20071005

Priority:

DE200610047488 20061005 WO2007EP08653 20071005

Probable Assignee: CFS GERMANY GMBH

Assignee(s): (std): BAMBERGER STEFFEN ; BRANDT MICHAEL ; CFS GERMANY GMBH ; SIMON RAINER ; VAN RENS JOSEPH JOHAN MARIA

Inventor(s): (std): BAMBERGER STEFFEN ; BAUMEISTER BRUNO ; BRANDT MICHAEL ; RENS JOSEPH JOHAN MARIA VAN ; SIMON RAINER ; VAN RENS JOSEPH JOHAN MARIA

Agent(s): WOLFF FELIX; WOLFF FELIX ET AL

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

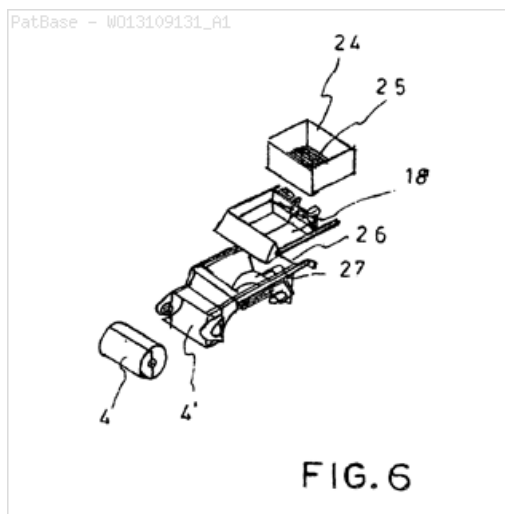
Title: MECHATRONIC DRY TOILET INCLUDING A CONCEALED COMPOST CONTAINER

Abstract: The invention relates to a new industrial product in the form of a mechatronic dry toilet including a concealed compost container, intended for the management of organic human waste without the use of water. The invention comprises a mechatronic system that is used to operate the toilet, including **sensors**, actuators and **motors**, together forming a design that simplifies the mechanisms of toilet systems and prevents the use of drinking water for feces management and the generation of black water.

Classifications:

International (IPC 8-9): A47K11/03 (Advanced/Invention);
B09B3/00 (Core/Invention)

CPC: A47K11/03 Y02A50/455



Family:

Publication number	Publication date	Application number	Application date
MX2012000725 A1	20130716	MX20120000725	20120116
WO13109131 A1	20130725	WO2012MX00130	20121217
WO13109131 A8	20140220	WO2012MX00130	20121217

Priority:

MX20120000725 20120116

Probable Assignee: ESPACIOS DE INNOVACION TECNOLOGICA S C

Assignee(s): (std): ESPACIOS DE INNOVACION TECNOLOGICA S C

Assignee(s): ESPACIOS DE INNOVACION TECNOLOGICA SC

Inventor(s): (std): BARRON VELEZQUEZ GERSAIN ; BORJA RAMIREZ VICENTE ; DEL OLMO GIL ANDRES ; LOPEZ PARRA MARCELO ; RAMIREZ REIVICH ALEJANDRO CUAUHEMOC ; VIGNAU ESTEVA ENRIQUE DE JES S ; VIGNAU ESTEVA ENRIQUE DE JESUS ; VELAZQUEZ GERSAIN BARRON ; REIVICH ALEJANDRO CUAUHEMOC RAMIREZ ; RAMIREZ VICENTE BORJA ; PARRA MARCELO LOPEZ ; ESTEVA ENRIQUE DE JESUS VIGNAU ; GIL ANDRES DEL OLMO

Inventor(s): GERSAIN BARRON VELAZQUEZ ; ENRIQUE DE JESUS VIGNAU ESTEVA ; ANDRES DEL OLMO GIL ; ALEJANDRO CUAUHEMOC RAMIREZ REIVICH ; MARCELO LOPEZ PARRA ; VICENTE BORJA RAMIREZ

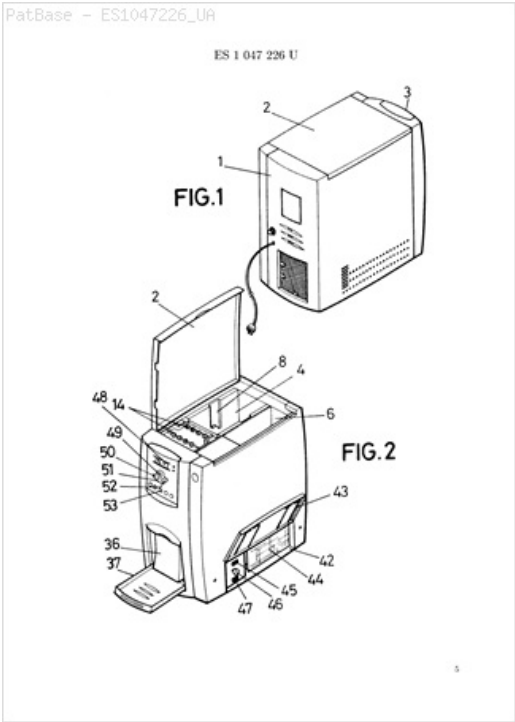
Agent(s): VIGNAU ESTEVA ENRIQUE DE JESUS

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

Title: EXPENDEDOR DE TOALLITAS HUMEDAS E HIGIENICAS.

Abstract: Source: ES1047226U [ES] 1. Expendedor de toallitas humedas e higienicas, que utilizando como materia prima una bobina suministradora de dichas toallitas en continuo, por ejemplo a base de una banda de papel, y agua con una solucion apropiada para impregnar dichas toallitas, se caracteriza por estar constituido a partir de una carcasa en la que a nivel superior y posterior se establece un alojamiento para la citada bobina, donde esta se monta con libertad de giro, inmediatamente a continuacion de dicho alojamiento y a nivel anterior y superior un dispositivo arrastrador de la banda continua, dotado de accionamiento propio e independiente, a continuacion un dispositivo cortador, tambien dotado de medios de accionamiento propios e independientes, y seguidamente un dispositivo impregnador en el que las toallitas, ya cortadas, son impregnadas por el agua, concretamente mediante una cinta transportadora que las hace pasar bajo el pulverizador de impregnacion, dotada tambien de medios de accionamiento propios e independientes, cinta transportadora que deposita finalmente las toallitas impregnadas sobre un colector establecido en la pared frontal del expendedor, abatible para el acceso a dichas toallitas. **Machine translation:** 1. Wipes **Dispenser** and **hygienic**, using as raw **material** a coil supplier of said wipes in, for example based on a strip of **paper**, and water with an appropriate solution to impregnate said wipes, is characterized by being formed from a housing in which upper and rear level is set a housing for said inductor coil, where it is mounted with freedom of rotation, immediately below said housing and front and upper level an entraining device of the continuous band, provided with its own drive and independent, then a **cutting** device, also provided with drive means own and independent, and then a dipping device in which the Wipes, already cut, are impregnated by the water, specifically by means of a conveyor belt that passes under the sprayer of impregnation, also provided with drive means own and independent, conveyor belt which deposited finally the wipes impregnated onto a collector set in the front wall of the **dispenser**, for the access to the wipes.

Classifications:
International (IPC 8-9): A47K10/36 (Advanced/Invention);
A47K10/24 (Core/Invention)
International (IPC 1-7): A47K10/36



Family:

Publication number	Publication date	Application number	Application date
ES1047226 UA	20010301	ES20000002500U	20001013
ES1047226 Y1	20010816	ES20000002500U	20001013
ES1047226 YA	20010816	ES20000002500U	20001013

Priority:
ES20000002500U 20001013

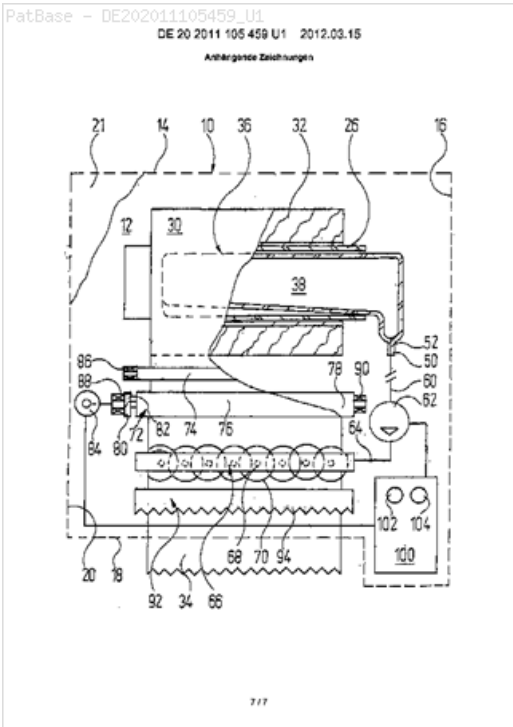
Probable Assignee: KIM MU WON
Assignee(s): (std): KIM MU WON
Inventor(s): (std): KIM MU WON

Title: SPENDER FUER WAHLWEISE TROCKENE ODER BEFEUCHTETE PAPIERHANDTUECHER DONORS FOR OPTIONAL DRY OR humidified PAPIERHANDTUECHER (Machine translation)

Abstract: Source: DE202011105459U1 [DE] Spender fuer wahlweise trockene oder befeuchtete Papierhandtuecher mit a) einem Gehaeuse; b) einer im Gehaeuse drehbar gelagerten Vorratsrolle fuer eine Papierbahn; c) einer Antriebseinrichtung, mit welcher die Papierbahn von der Vorratsrolle abgezogen werden kann; d) einer Schneideinrichtung, mit welcher die Papierbahn zu Papierhandtuechern zerschnitten werden kann; e) einer Befeuchtungseinrichtung, welche umfasst: ea) einen Vorratsbehaelter fuer eine Fluessigkeit, insbesondere Desinfektionsfluessigkeit; eb) mindestens eine Duese, aus der die Papierbahn mit der Fluessigkeit besprueht werden kann; ec) eine Pumpe, welche die Fluessigkeit aus dem Vorratsbehaelter absaugt und der mindestens einen Duese zufuehrt; f) einer Steuereinheit, welche die Antriebseinheit und die Pumpe ansteuert; g) einem ersten beruehrungslos arbeitenden Annaeherungsschalter, dem ein erster raeumlicher Erfassungsbereich zugeordnet ist und der beim Eindringen eines Gegenstands in den ersten raeumlichen Erfassungsbereich ein Signal erzeugt, welches der Steuereinheit zugefuehrt wird und diese veranlasst, die Antriebseinrichtung in Funktion zu...

Machine translation: **Dispenser** for either dry or moistened Papierhandtuecher with a) a housing, b) in the housing rotatably mounted supply roll for a **paper** web, c) a drive device with which the **paper** web can be withdrawn from the supply roll, d) a **cutting** device, can be cut with which the **paper** web to Papierhandtuechern e) a humidifying device comprising: ea) a storage containers for a liquid, in particular Desinfektionsfluessigkeit; eb) at least one nozzle from which the **paper** web can be sprayed with the liquid; ec) a pump, which the liquid aspirates from the storage containers and the at least supplies a nozzle; f) a control unit which controls the drive unit and the pump; g) a first contact-Anna marriage **sensor**, which is associated with a first spatial coverage and the penetration of an object in the first spatial detection range produces a signal which the control unit is supplied, and this causes the drive means in function to...

Classifications:
International (ipc 8-9): A47K10/22 A47K10/24 A47K10/32 (Advanced/Invention)
CPC: A47K10/3625 A47K2010/328
European: A47K10/36 K47K10/32W1A



Family:

Publication number	Publication date	Application number	Application date
DE202011105459 U1	20120315	DE201120105459U	20110907

Priority:
DE201120105459U 20110907

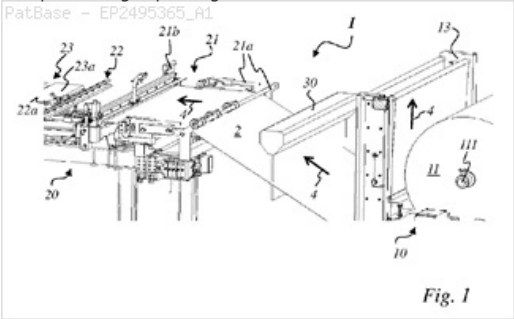
Probable Assignee: DUERR OPTRONIK GMBH AND CO KG
Assignee(s): (std): DUERR OPTRONIK GMBH AND CO KG

Title: DEVICE FOR PROVIDING INTERMEDIATE LAYERS, PALETTING METHOD DISPOSITIF DE PREPARATION DE COUCHES INTERMEDIAIRES, PROCEDE DE PALETTISATIO

Abstract: The device (1) has a reducing unit (30) for partially reducing elasticity of a flexible continuous strip (2) and/or sections of an intermediate layer, where dimensions of the continuous strip and/or the sections remain constant. The reducing unit has a UV-light source and a laser medium. The reducing unit is arranged downstream of a storage unit (10) with respect to a running direction (4) of the strip. The storage unit includes a roller (11) through which the strip is provided to the reducing unit over a stepper (13). The raw material of the flexible continuous strip is selected from a film, paper and/or cardboard. An independent claim is also included for a method for palletizing a package of article.

Classifications:

International (IPC 8-9): B65B41/12 B65B41/14 B65G1/14
B65G57/00 B65G57/26 D21H23/52 D21H27/00 (Advanced/Invention);
B65G57/00 D21H23/00 D21H27/00 (Core/Invention)
CPC: B65G57/005 D21H23/52 D21H27/00
European: B65G57/00B D21H23/52 D21H27/00



Family:

Publication number	Publication date	Application number	Application date
CN102001507 A	20110406	CN201010264982	20100826
CN102001507 B	20130605	CN201010264982	20100826
DE102009043877 A1	20110303	DE200910043877	20090827
DE502010001296 D1	20121108	DE201050001296T	20100810
DE502010011403 D1	20160519	DE201050011403T	20100810
EP2298990 A1	20110323	EP20100172333	20100810
EP2298990 B1	20120919	EP20100172333	20100810
EP2495365 A1	20120905	EP20120170478	20100810
EP2495365 B1	20160406	EP20120170478	20100810
ES2402357 T3	20130503	ES20100172333T	20100810
SI2298990 T1	20130131	SI20100030100T	20100810

Priority:

DE200910043877 20090827 EP20100172333 20100810 EP20120170478 20100810

Probable Assignee: KRONES AG

Assignee(s): (std): KRONES AG

Inventor(s): (std): DIETERSBERGER MARTIN ; PERL KURT ; MARTIN DIETERSBERGER ; KURT PERL

Inventor(s): PERL KURT 83253 ; DIETERSBERGER MARTIN 83135

Agent(s): REICHERT AND LINDNER PARTNERSCHAFT PATENTANWAELTE; REICHERT WERNER FRANZ; REICHERT AND LINDNER PARTNERSCHAFT PATENTANWAELTE

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: DISPOSABLE GLOVE AND GLOVE DISPENSING APPARATUS

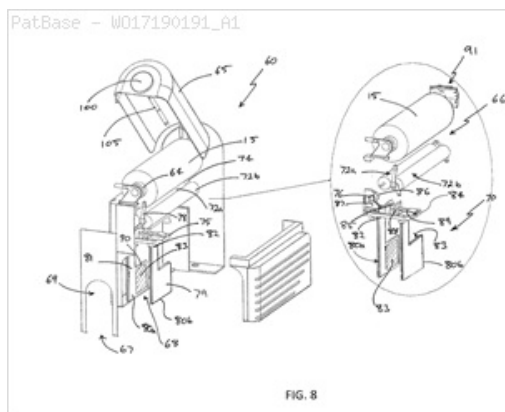
Abstract: There is provided a package of disposable gloves (10) and a glove dispensing apparatus (60). The package of disposable gloves comprises a plurality of gloves (25) joined to one another in a line wherein adjacent ones of the gloves are connected together by a respective first frangible connection (26) which is breakable to separate the gloves from one another. Each of the gloves has a glove edge (29) lying transversely to the first frangible connection to form an open cuff (30) of each glove (25), and at least one finger (11b) of each glove is connected to an adjacent finger (11b) or thumb (11c) of the glove by a corresponding further frangible connection (52) which is breakable to separate the connected fingers or finger and thumb of the glove. The glove dispensing apparatus (60) can be used for enabling **hygienic** location of a glove of the glove package (10) on a user's hand. The dispensing apparatus comprises a storage (64, 65) for storing the package of gloves, a glove line feed arrangement (72a, 72b) for advancing the line of gloves to locate an end glove of the line in a hand insertion zone (68) of the apparatus, and a glove opening system including adherent surfaces (83), the glove opening system (70) being operable for contact of the adherent surfaces with opposed first and second layers (18, 20) of the end glove of the line to adhere to the layers and subsequently to draw the adhered layers of the glove apart for allowing a user to insert their hand into the open cuff (30) of the glove in the hand insertion zone (68). There are also provided methods for use of the glove dispensing apparatus.

Classifications:**International (IPC 8-9):** A41D19/015 A47G25/92 A61B42/10

A61B42/40 A61B42/50 B65D83/08 (Advanced/Invention)

CPC: A47G25/92 A61B42/40 A61B42/50 A61B42/10 A41D19/0072

A41D2400/52 A61B2017/00398

**Family:**

Publication number	Publication date	Application number	Application date
WO17190191 A1	20171109	WO2017AU50406	20170503

Priority:

AU20160901633 20160503

Probable Assignee: GLOVEMATIC PTY LTD**Assignee(s):** (std): GLOVEMATIC PTY LTD**Inventor(s):** (std): BACKHAUS STEPHEN ; BAKER LEE ; BAYLY MARK ; ROSEVEAR MICHELLE**Agent(s):** ADAMS PLUCK

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

Title: ANTIMICROBIAL POLYMER

Abstract: The invention is directed to an antimicrobial polymer that can preferably be processed thermoplastically, a method for the preparation of said antimicrobial polymer and its use in antimicrobial treatment. The invention is further directed to polymer blends containing antimicrobial polymers and the use of special monomers in the preparation of antimicrobial polymers that can be processed thermoplastically.

Classifications:

International (IPC 8-9): A01N33/02 A01N33/04 A01N37/34 A01N37/44 A01N43/40 A01N61/00 A01P1/00 B32B27/18 B65D81/24 C08F112/14 C08F12/28 C08F212/14 C08F26/02 C08F26/06 C08L101/00 C08L25/18 C09D139/00 C09D201/00 C09D5/14 C09D7/12 C09J11/08 C09J139/00 C09J201/00 (Advanced/Invention); A01N33/02 B32B27/18 B65D81/24 (Advanced/Non-invention)

CPC: C08F112/14 C08F212/14 C08F26/02 A01N37/34 A01N37/44 A01N43/40 C08F26/06 Y10T156/10 A01N33/04 C08F12/28

US: 156/60 424/78.32 424/78.35 427/2.1 526/263 526/310

JP F-Term: 4H011 4H011/AA02 4H011/BB04 4H011/BB19 4H011/DH02 4H011/DH27 4J002 4J002/BB03 4J002/BB05 4J002/BB06 4J002/BB12 4J002/BB15 4J002/BC03 4J002/BC06 4J002/BC10 4J002/BD03 4J002/BF02 4J002/BF03 4J002/BG01 4J002/BG04 4J002/BG06 4J002/BG10 4J002/BG13 4J002/BJ00 4J002/BN03 4J002/BN15 4J002/CB00 4J002/CF00 4J002/CF05 4J002/CF06 4J002/CF07 4J002/CG00 4J002/CH06 4J002/CH07 4J002/CH09 4J002/CK02 4J002/CK03 4J002/CL00 4J002/CL06 4J002/CL07 4J002/CL08 4J002/CM02 4J002/CM04 4J002/CN03 4J002/FD18 4J002/GB00 4J002/GC00 4J002/GF00 4J002/GG00 4J002/GH00 4J002/GJ00 4J002/GK00 4J002/GL00 4J002/GM00 4J002/GN00 4J038 4J038/CK02 4J038/NA05 4J040 4J040/DH00 4J040/EC00 4J040/EF00 4J040/LA11 4J100 4J100/AB07 4J100/AJ02 4J100/AM02 4J100/AQ12 4J100/BA16 4J100/BA30 4J100/CA01 4J100/CA04 4J100/CA05 4J100/DA01 4J100/DA25 4J100/DA37 4J100/FA03 4J100/JA01 4J100/JA03 4J100/JA07 4J100/JA11 4J100/JA28 4J100/JA50 4J100/JA57 4J100/JA67

JP F-Index: A01N33/04 A01N61/00/D A01P1/00 C08F12/28 C08L101/00 C08L25/18 C09D139/00 C09D201/00 C09D5/14 C09D7/12 C09J11/08 C09J139/00 C09J201/00

Family:

Publication number	Publication date	Application number	Application date
EP2951216 A1	20151209	EP20140702814	20140131
JP2016508532 T2	20160322	JP20150555728T	20140131
US2015368380 AA	20151224	US20140764610	20140131
WO14118339 A1	20140807	WO2014EP51955	20140131

Priority:

EP20130000471 20130131 EP20130001644 20130328 WO2014EP51955 20140131
EP20140702814 20140131

Probable Assignee: FACHHOCHSCHULE MUENSTER

Assignee(s): (std): FACHHOCHSCHULE MUENSTER

Inventor(s): (std): BLANG TOBIAS ; BRODKORB FLORIAN ; FISCHER BJOERN ; GESCHWENTNER ADRIAN ; KALBFLEISCH KATRIN ; KREYENSCHMIDT JUDITH ; KREYENSCHMIDT MARTIN ; LORENZ REINHARD

Agent(s): TER MEER STEINMEISTER AND PARTNER; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; TER MEER STEINMEISTER AND PARTNER PATENTANWAELTE

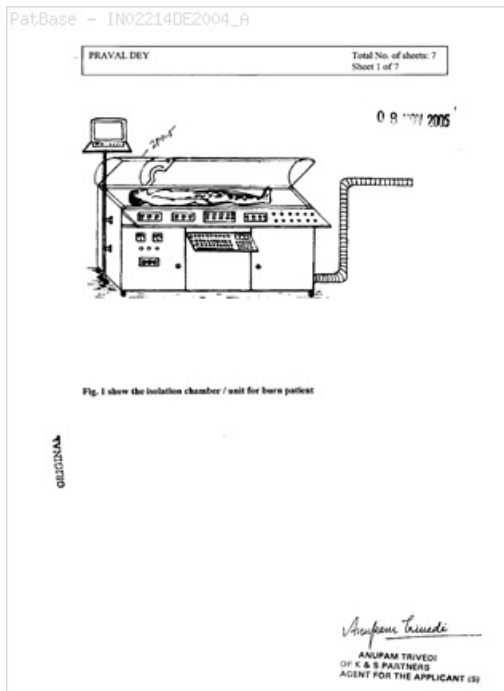
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW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

Title: AN ISOLATION CHAMBER/UNIT FOR TREATING BURN PATIENTS

Abstract: An isolation chamber / unit for treating bum patients comprising a. a chamber / platform for keeping patient, b. a second part accommodating a plurality of instmment/ **sensor** for receiving, recording, storing, processing information condition of bum patient; c. device for regulating climate inside first part around patient and d. means for dispensing medicine to patient.

Classifications:

International (IPC 1-7): A61G10/00



Family:

Publication number	Publication date	Application number	Application date
IN02214DE2004 A	20100219	IN2004DE02214	20041108

Probable Assignee:

PRAVAL DEY

Assignee(s):

PRAVAL DEY

Inventor(s):

PRAVAL DEY

Search query (3): [SP]: hygienic sheet material dispenser a hygienic sheet material dispenser includes a housing with a dispensing opening, a compartment for a sheet material product, a first sensor arranged to assume an active mode in which it scans for the presence of a user, a dispensing motor arranged to drive a driving mechanism, a second sensor for sensing when a piece of said product has been removed, and a microcontroller connected to the first sensor, the second sensor and the dispensing motor, said dispenser also being configured to be switched to a passive mode. the dispenser is arranged to switch to the passive mode after a first predetermined period of time has elapsed in the active mode without detection of a user wherein, upon entering the passive mode, a length of said product is fed from the dispenser out of the dispensing opening and the first sensor and the microcontroller are substantially deactivated and wherein the dispenser is arranged to switch back to the active mode when the second sensor senses that said product has been removed.

Results: 14

Search history

Search PN=(WO2015112061) (Results 1)

1:

Search [SP]: 1. hygienic sheet material dispenser comprising: a housing with a dispensing opening a compartment for a sheet material product a first sensor arranged to assume an active mode in which the first sensor actively scans for the presence of a user a dispensing motor arranged to drive a driving mechanism a second sensor for sensing when a piece of said product has been removed from the dispensing opening and a microcontroller connected to the first sensor, the second sensor, and the dispensing motor, wherein said dispenser is configured to be switched to a passive mode, wherein the dispenser is configured to switch to the passive mode after a first predetermined period of time has elapsed with the first sensor in the active mode without detection of a user, wherein, upon the dispenser entering the passive mode, a length of said product is fed from the dispenser out of the dispensing opening and the first sensor and the microcontroller are substantially deactivated, and wherein the dispenser is configured to switch back to the active mode when the second sensor senses that said product has been removed from the dispensing opening. 2. the dispenser according to claim 1, wherein the first sensor is a capacitive proximity sensor. 3. the dispenser according to claim 1, wherein the first sensor is an infrared (ir) proximity sensor. 4. the dispenser according to claim 1, wherein said second sensor is a mechanical switch indicating that a user has removed a length of said product. 5. the dispenser according to claim 4, wherein said second sensor is activated by said product upon stretching said product during a tearing operation. 6. the dispenser according to claim 4, wherein said second sensor is activated by a tear bar arrangement. 7. the dispenser according to claim 1, wherein said second sensor is an optical sensor arranged for determining whether the product is removed or not. 8. the dispenser according to claim 1, wherein the first predetermined period of time is between 3 minutes and 60 minutes. 9. the dispenser according to claim 1, wherein the compartment for the product is arranged to hold a continuous roll of paper or a stack of folded continuous paper, and wherein the dispenser dispenses a predetermined length of paper upon activation of the first sensor or second sensor. 10. the dispenser according to claim 1, wherein the compartment for the product is arranged to hold a roll of paper sheets or a stack of connected paper sheets, and wherein the dispenser dispenses a sheet of paper upon activation of the first sensor or second sensor. 11. the dispenser according to claim 1, wherein the dispenser housing comprises a dispenser frame comprising a dispensing opening, and an insert being arranged to be removably inserted into the dispenser frame, wherein the first sensor, the dispensing motor arranged to drive the driving mechanism, the second sensor and the microcontroller are arranged in the insert. 12. hygienic sheet material dispenser comprising: a housing with a dispensing opening a compartment for a sheet material product a first sensor arranged to assume an active mode in which the first sensor actively scans for the presence of a user with a first predetermined scan rate a dispensing motor arranged to drive a driving mechanism a second sensor for sensing when a piece of said product has been removed and a microcontroller connected to the first sensor, the second sensor, and the dispensing motor, wherein said dispenser is configured to be switched to a passive mode, wherein the dispenser is arranged to switch to a low scan mode after a second predetermined period of time has elapsed with the first sensor in the active mode without detection of a user, wherein, in the low scan mode, the first sensor is arranged to scan for the presence of a user at a second predetermined scan rate which is lower than said first scan rate, wherein the dispenser is arranged to switch from the low scan mode to the passive mode after a third predetermined period of time has elapsed in the low scan mode without detection of a user, wherein, upon switching to the passive mode, said product is dispensed from the dispenser out from the dispensing opening and the first sensor and the microcontroller are substantially deactivated, and wherein the dispenser is arranged to switch back to the active mode upon the second sensor sensing that said product has been removed from the dispensing opening. 13. the dispenser according to claim 12, wherein the second predetermined period of time is between 0.5 and 20 minutes. 14. a method for controlling the operation of a hygienic sheet material dispenser, comprising a housing with a dispensing opening and a compartment for a sheet material product, said method comprising: scanning for the presence of a user by a first sensor during an active mode driving a driving mechanism by a dispensing motor upon detecting the presence of a user by the first sensor sensing whether a piece of said sheet material product has been removed by a second sensor controlling the operation of the dispenser by a microcontroller connected to the first sensor, the second sensor and the dispensing motor, selectively switching said dispenser unit to a passive mode switching from the active mode to the passive mode after a first predetermined period of time has elapsed in the active mode without detection of a user dispensing a piece of said product from the dispenser out from the dispensing opening upon switching to the passive mode and substantially deactivating the first sensor and the microcontroller and switching back to said active mode when said second sensor senses that a piece of said product has been removed. 15. a method for controlling the operation of a hygienic sheet material dispenser, comprising a housing with a dispensing opening and a compartment for a sheet material product, said method comprising: scanning for the presence of a user by a first sensor during an active mode and with a first predetermined scan rate driving a driving mechanism by a dispensing motor upon detecting the presence of a user by the first sensor sensing whether a piece of said sheet material product has been removed by a second sensor controlling the operation of the dispenser by a microcontroller connected to the first sensor, the second sensor and the dispensing motor selectively switching said dispenser to a passive mode switching from the active mode to a low scan mode after a second predetermined period of time has elapsed in the active mode without detection of a user scanning for the presence of a user, in said low scan mode, by said first sensor and with a second predetermined scan rate which is lower than said first scan rate switching from said low scan mode to said passive mode after a third predetermined period of time has elapsed in the low scan mode without detection of a user dispensing a piece of said product from the dispenser out from the dispensing opening upon switching to the passive mode and substantially deactivating the first sensor and the microcontroller and switching from the passive mode and back to the active mode when the second sensor senses that said piece has been removed. (Results 0)

Search [SP]: hygienic sheet material dispenser a hygienic sheet material dispenser includes a housing with a dispensing opening, a compartment for a sheet material product, a first sensor arranged to assume an active mode in which it scans for the presence of a user, a dispensing motor arranged to drive a driving mechanism, a second sensor for sensing when a piece of said product has been removed, and a microcontroller connected to the first sensor, the second sensor and the dispensing motor, said dispenser also being configured to be switched to a passive mode. the dispenser is arranged to switch to the passive mode after a first predetermined period of time has elapsed in the active mode without detection of a user wherein, upon entering the passive mode, a length of said product is fed from the dispenser out of the dispensing opening and the first sensor and the microcontroller are substantially deactivated and wherein the dispenser is arranged to switch back to the active mode when the second sensor senses that said product has been removed. (Results 14)

Title: HYGIENIC SHEET MATERIAL DISPENSER

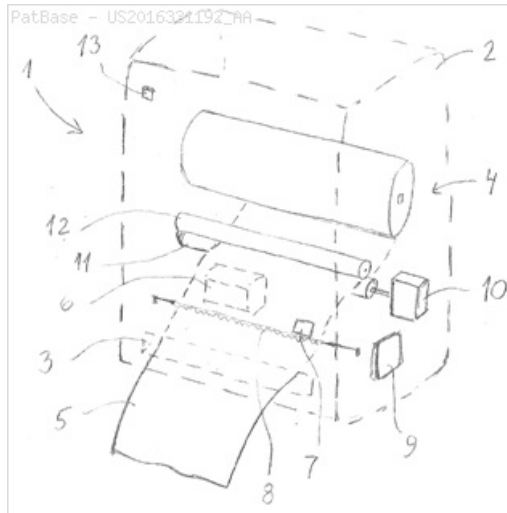
Abstract: A hygienic sheet material dispenser includes a housing with a dispensing opening, a compartment for a sheet material product, a first sensor arranged to assume an active mode in which it scans for the presence of a user, a dispensing motor arranged to drive a driving mechanism, a second sensor for sensing when a piece of said product has been removed, and a microcontroller connected to the first sensor, the second sensor and the dispensing motor, said dispenser also being configured to be switched to a passive mode. The dispenser is arranged to switch to the passive mode after a first predetermined period of time has elapsed in the active mode without detection of a user; wherein, upon entering the passive mode, a length of said product is fed from the dispenser out of the dispensing opening and the first sensor and the microcontroller are substantially deactivated; and wherein the dispenser is arranged to switch back to the active mode when the second sensor senses that said product has been removed.

Classifications:

International (IPC 8-9): A47K10/36 (Advanced/Invention); A47K10/38 (Advanced/Non-invention)

CPC: A47K10/36 A47K2010/3668 A47K2010/3881

US: 242/562



Family:

Publication number	Publication date	Application number	Application date
AU2014379671 AA	20150730	AU20140379671	20140122
AU2014379671 BB	20161124	AU20140379671	20140122
CN105916423 A	20160831	CN201480073525	20140122
CO20160000088 A2	20161230	CO20160000088	20160721
EP3096662 A1	20161130	EP20140880073	20140122
EP3096662 A4	20170607	EP20140880073	20140122
MX2016009419 A1	20160916	MX20160009419	20140122
RU2636570 C1	20171123	RU20160133956	20140122
US2016331192 AA	20161117	US20140112711	20140122
US9918597 BB	20180320	US20140112711	20140122
WO15112061 A1	20150730	WO2014SE50076	20140122

Priority:

WO2014SE50076 20140122

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): SCA HYGIENE PROD AB ; SKA KHAJDZHIN PRODAKTS AB

Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; SCA HYGIENE PRODUCTS AB

Inventor(s): (std): DANIELE SALVATORE TEDESCO ; JOHAN RUBENSON ; RUBENSON JOHAN ; RUBENSON JOKHAN ; SALVATORE TEDESCO DANIELE ; TEDESCO DANIELE SALVATORE ; TEDESCO DANIELE SALVATORE

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; JOSE ANDRES RINCON USCATEGUI; ZACCO SWEDEN AB; OOO YURIDICHESKAYA GORODISSKI I PARTNER Y FA; DRINKER BIDDLE AND REATH LLP

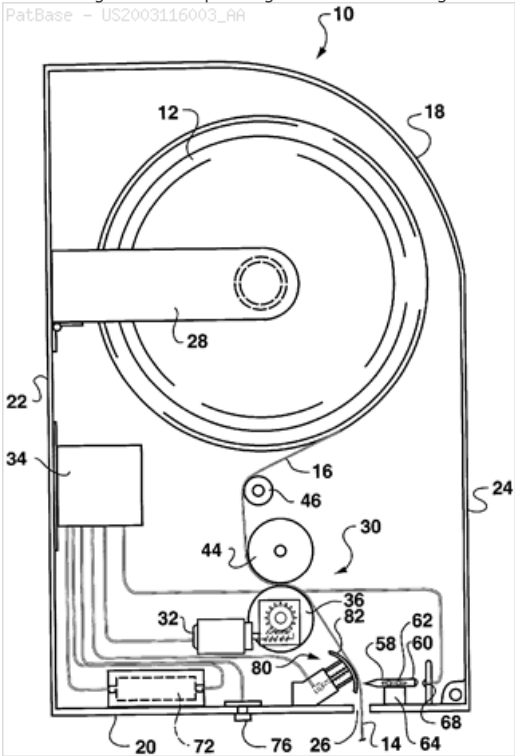
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Title: ELECTRICAL ROLL PRODUCT DISPENSER

Abstract: An electrical rolled web dispenser includes a housing with a roll carrier disposed therein to rotationally support a roll of web material. An electrical feed mechanism is disposed in the housing to dispense measured sheets of the towel material. The feed mechanism is activated by a sensor that senses a changed parameter within or external to the housing resulting from a user grasping and pulling on a tail of the web material extending from a dispensing slot in the housing.

Classifications:

International (IPC 8-9): A47K10/36 (Advanced/Invention);
A47K10/24 (Core/Invention)
International (IPC 1-7): A47K10/36 B26D7/00 B26F3/02 B65H35/10
CPC: Y10T83/4455 Y10T83/6668 Y10T83/896 Y10T225/205
Y10T225/209 Y10T225/21 Y10T225/276 Y10T225/287 A47K10/36
A47K2010/3881
European: A47K10/36
US: 225/10 225/14 225/15 225/72 225/82 242/563 242/564.1
242/564.4 312/34.8 312/348 83/208 83/649 83/734



Family:

Publication number	Publication date	Application number	Application date
AU2002326829 AA	20030709	AU20020326829	20020905
CA2469032 AA	20040604	CA20022469032	20020905
CA2469032 C	20100713	CA20022469032	20020905
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DE60207444 T2	20060629	DE20026007444T	20020905
EP1455624 A1	20040915	EP20020761575	20020905
EP1455624 B1	20051116	EP20020761575	20020905
MXPA04005298 A1	20040913	MX2004PA05298	20020905
US2003116003 AA	20030626	US20010027785	20011220
US6820785 BB	20041123	US20010027785	20011220
WO03053202 A1	20030703	WO2002US28271	20020905

Priority:

US20010027785 20011220 WO2002US28271 20020905

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO

Assignee(s): KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; KAPILOFF DAVID

Inventor(s): (std): DAVID KAPILOFF ; KAPILOFF DAVID

Agent(s): BORDEN LADNER GERVAIS LLP

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

Title: APPARATUS AND METHODS USABLE IN CONNECTION WITH DISPENSING FLEXIBLE SHEET MATERIAL FROM A ROLL

Abstract: A powered dispenser for dispensing individual sheet segments from a continuous roll of sheet material provided with spaced tear lines comprises a powered feed mechanism, a releasable, powered drive mechanism, a powered transfer mechanism, a pair of web sensing sensors, a capacitive sensing system providing automatic sensitivity adjustment, and control circuitry. A dual power supply system provides a mechanical lock-out functionality, and the control system is protected from electrostatic build-up on the surface of the feed roller. The web sensor, and an antenna plate of the capacitive sensing system, are provided on respective printed circuit boards mounted in overlying relation. Utilizing signals received from the pair of web sensors and the capacitive sensing system, the control circuitry senses the presence of a user to activate the powered drive mechanism, and prevents further dispensing of the sheet material until a previously dispensed segment is separated from the roll. The web sensors detection of a leading edge of the sheet material initiates a predetermined interval of sheet material advancement providing a proper placement of successive tear lines. Various approaches may be utilized to accommodate inadvertent sheet "tabbing" scenarios. The web sensors, together with the control circuitry, are also used to detect the depletion, or absence, of a working roll of sheet material, whereupon the control circuitry controls the powered transfer mechanism to automatically transfer the web feed supply from a depleted working roll to a reserve roll. The powered transfer mechanism may include a motor driven transfer bar, or provide motor driven release of a spring biased transfer bar. Another arrangement allows for ready release of a roll core, and drop of the same into an open dispenser cover for removal.

Classifications:

International (IPC 8-9): A47K10/36 B26D7/00 B26F3/02 B65D83/08 B65H16/10 B65H19/00 B65H19/18 B65H23/185 B65H3/00 B65H35/10 B65H43/00 G08B21/00 (Advanced/Invention)

International (IPC 1-7): B26D7/00 B26F3/00 B26F3/02 B65H16/10 B65H19/00 B65H19/16 B65H26/00 B65H35/10 B65H49/34 B65H67/00 G01N27/22 G01R27/26 G01R31/00 G01R33/00

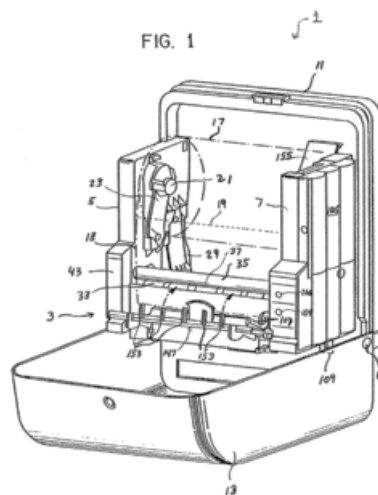
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European: A47K10/36 B65H35/10 T03K17/96A1A

US: 221/1 221/1P 221/258 221/36 221/36S 225/10 225/14 225/2 225/2P 225/34 225/39 225/39S 225/65 225/93 225/93S 242/550 242/555.1 242/56 242/560 242/560.1 242/560S 242/563 242/563.2 242/563P 242/564 242/564.1 242/564.100P 242/564.100S 242/564.3 242/564.4 242/564S 324/207.12 324/225 324/409 324/409P 324/658 340/686.6 340/686.600S 83/370 83/614 83/648 83/649 83/649P

PatBase - US2003167893_AA

Patent Application Publication Sep. 11, 2003 Sheet 1 of 21 US 2003/0168489 A1



Family:

Publication number	Publication date	Application number	Application date
US2003167893 AA	20030911	US20020211333	20020805
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US2003168549 AA	20030911	US20020211334	20020805
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US2008011772 AA	20080117	US20070782227	20070724
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Priority:

US20020092350 20020307	US20020211280 20020805	US20020211301 20020805
US20020211333 20020805	US20020211334 20020805	US20040925085 20040825
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Probable Assignee: GPCP IP HOLDINGS LLC

Assignee(s): (std): GEORGIA PACIFIC CONSUMER PROD ; GEORGIA PACIFIC CORP ; GEORGIA PACIFIC CONSUMER OPERA ; SUSI MICHAEL A ; MORRIS ANDREW R

Assignee(s): GPCP IP HOLDINGS LLC ; GEORGIA PACIFIC CONSUMER OPERATIONS LLC ; CITICORP NORTH AMERICA INC ; COLOR BOX LLC DELAWARE LIABILITY CO LTD ; DIXIE CONSUMER PRODUCTS LLC DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC CHEMICALS LLC DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC CONSUMER PRODUCTS LLC ; GEORGIA PACIFIC CONSUMER PRODUCTS LP ;

GEORGIA PACIFIC CONSUMER PRODUCTS LLP ; GEORGIA PACIFIC CONSUMER PRODUCTS LP
DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC CORRUGATED LLC DELAWARE LIABILITY CO LTD ;
GEORGIA PACIFIC GYPSUM LLC DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC LLC DELAWARE
PARTNERSHIP LTD ; GEORGIA PACIFIC WOOD PRODUCTS LLC DELAWARE LIABILITY CO LTD ; GP
CELLULOSE GMBH ZUG SWITZERLAND LIABILITY CO LTD

Inventor(s): (std): BOONE BRUCE T ; DOWD PAUL ; FORMON JOHN S ; GAHRIS DAVID ; ISAKSSON WILL ; MORRIS
ANDREW R ; MURPHY JAMES H ; SUSI MICHAEL A

Inventor(s): SUSI MICHAEL ; MORRIS ANDREW ; FORMON JOHN ; BOONE BRUCE

Agent(s): BANNER AND WITCOFF; PATENT GROUP GA030-43, GEORGIA-PACIFIC LLC; PATENT GROUP GA030 43
GEORGIA PACIFIC LLC; GEORGIA-PACIFIC LLC; BANNER AND WITCOFF LTD; JOEL T; CHARLTON JOEL
T; GEORGIA PACIFIC LLC; DEBORAH K

Title: HANDS-FREE PAPER TOWEL DISPENSERS

Abstract: A hands-free paper towel dispenser including a housing with a front cover that is pivotable between open and closed positions. A sensing mechanism is disposed entirely within the interior space of the cabinet at a location adjacent to the front cover and is oriented toward the front cover of the cabinet to permit detecting of an object adjacent the front cover without the object contacting the front cover. At least a portion of the sensing mechanism is accessible when the front cover is at the open position. A dispensing mechanism is disposed within the housing for dispensing a length of towel, with the dispensing mechanism including a drive roller and a motor in driving engagement with the drive roller. The dispenser also includes an electric power source for powering operation of the dispenser.

Classifications:

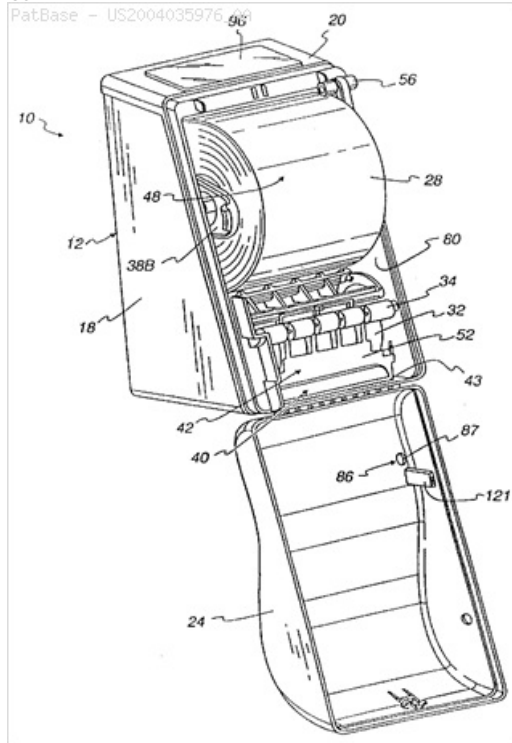
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B65H16/10 B65H20/00 B65H20/02 B65H26/00 B65H61/00
B65H63/00 B65H75/18 (Advanced/Invention);
A47K10/24 B65H16/00 B65H20/00 B65H20/02 (Core/Invention)

International (IPC 1-7): A47K10/26 A47K10/28 A47K10/32
A47K10/34 A47K10/36 B31D1/04 B65H16/00 B65H16/10 B65H20/00
B65H20/02 B65H26/00 B65H61/00 B65H63/00

CPC: A47K2010/3668 A47K10/3656 A47K10/3687 A47K2010/3681
A47K10/36 A47K10/3612 A47K10/3625

European: A47K10/36

US: 242/563 242/563.2 242/563.200P 242/563P 242/564 242/564.1
242/564.100S 242/564.4 242/564.400S 242/564S 242/598.6
312/34.22 312/34.8 312/34.800S



Family:

Publication number	Publication date	Application number	Application date
AU199722738 A1	19970902	AU19970022738	19970213
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CA2246357 AA	19980811	CA19972246357	19970213
CA2246357 C	20041019	CA19972246357	19970213
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US2016000274 AA	20160107	US20150628727	20150223
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US7325768 BB	20080205	US20060352456	20060209
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WO9729671 A1	19970821	WO1997US02363	19970213

Priority:

US19960603051 19960216	EP19970905972 19970213	WO1997US02363 19970213
US19980603051 19980216	US19980085289 19980527	US20000538453 20000330
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Probable Assignee: WAUSAU PAPER TOWEL AND TISSUE LLC

Assignee(s): (std): BAY WEST PAPER CORP ; BYRD DANNIE D ; COTNOIR ALAIN P ; ELLIOTT ADAM T ; MOSINEE PAPER CORP ; WAUSAU PAPER TOWEL AND TISSUE LLC ; WAUSAU PAPER TOWEL AND TISSUE LL ; MENDELSBERG VICTOR ; WAUSU PAPERE TOWEL AND TISSUE LLC

Assignee(s): MOSINEE PAPER CORP MOSINEE ; WAUSAU PAPER SPECIALTY PRODUCTS LLC ; COMPTON JOHN I ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ; BANK OF AMERICA NA AGENT AS ; BAY WEST PAPER 1150 IND CORP

Inventor(s): (std): ADAM T ELLIOT ; ADAM T ELLIOTT ; ALAIN P COTNOIR ; BYRD D ; BYRD DANNIE D ; BYRG DANNIE D ; COMPTON JOHN I ; COTNOIR ALAIN D ; COTNOIR ALAIN P ; COTNOIR P ; DANNIE D BYRD ; DANNIE D BYRG ; DANNIE DALE BYRD ; ELLIOT ADAM T ; ELLIOTT ADAM T ; ELLIOTT T ; MENDELSBERG VICTOR ; VICTOR MENDELSBERG

Inventor(s): ELLIOTT ADAM ; COTNOIR ALAIN ; BYRD DANNIE

Agent(s): PHILLIPS ORMONDE FITZPATRICK; DEETH WILLIAMS WALL LLP; GOUDREAU GAGE DUBUC; MERCHANT AND GOULD PC

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

Title: APPARATUS AND METHOD FOR DISPENSING SHEET MATERIAL

Abstract: A sheet material dispenser includes a controller for automatically controlling the lengths of sheet materials dispensed from a continuous roll by identifying the type of sheet materials on the roll and dispensing suitable lengths of the identified sheet material. The dispenser desirably has a support for rotatably supporting a roll of sheet material carrying identification relating to the type of sheet material on the roll, and an identifier positioned in or adjacent the dispenser for identifying the type of sheet material on the roll. A processor receives data from the identifier, processes the data and generates an output command, and a controller controls the lengths of sheet material dispensed from the roll in response to the output command. In this way, more absorbent products may be dispensed in shorter lengths and less absorbent products may be dispensed in longer lengths.

Classifications:

International (ipc 8-9): A47K1/00 A47K10/24 A47K10/32 A47K10/34 A47K10/36 A47K10/38 A47K10/42 A47K13/24 A47K17/00 A47K5/06 A47K5/12 B65H16/00 B65H20/00 B65H43/00 E03C1/00 E03D11/00 E03D5/10 E03D9/00 G01F23/00 G01F23/24 G01F23/292 G01F23/296 G05B23/02 G05B9/02 G06F17/00 G06Q50/00 G07F11/68 (Advanced/Invention); A47K10/32 (Advanced/Non-invention); A47K10/24 A47K5/00 B65H16/00 B65H20/00 B65H43/00 G01F23/00 G05B23/02 G05B9/00 G06F17/00 G07F11/00 (Core/Invention)

International (ipc 1-7): A47K10/36 A47K5/06 B65H26/00 G06F17/00

CPC: Y10S4/03 A47K13/24 A47K17/00 E03D5/10 G01F23/0069 G01F23/242 G01F23/243 G01F23/2928 G01F23/2965 G08C2201/42 A47K2010/3668 A47K10/3662 A47K2010/3693 A47K10/3845 A47K5/06 A47K5/1209 A47K5/1217 A47K10/38 A47K10/3827 A47K10/424 A47K2010/3226 G07F11/68 A47K10/36 A47K10/3612 A47K10/3625

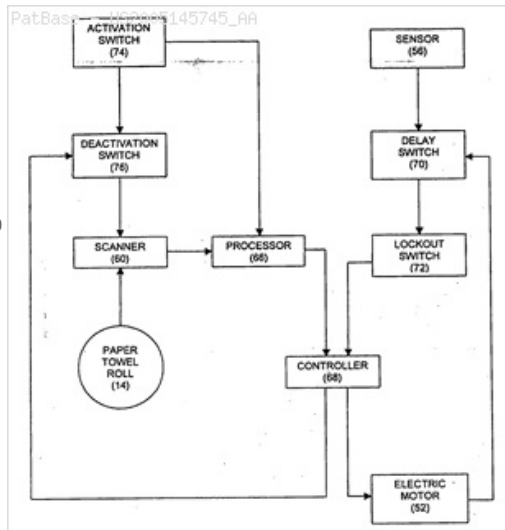
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JP F-Index: A47K10/24 A47K5/12/Z A47K1/00/Z A47K13/24 A47K17/00 E03D11/00/Z E03D9/00/Z G06F17/60/122/C G06Q50/16/102 G06Q50/16/300 A47K10/34/B A47K10/34/Z A47K10/36/C A47K10/42/C

**Family:**

Publication number	Publication date	Application number	Application date
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CA2552123 C	20120320	CA20042552123	20041222
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Priority:

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Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; MITCHELL JOSEPH ; LEWIS RICHARD PAUL ; OYLER JOHN ROBERT ; PADAK RONALD R ; LYE JASON ; NG DIXON ; YORK CHERYL LYNN ; PADAK RONALD RAYMOND ; TRAMONTINA PAUL FRANCES ; WINDER JAMES ALEXANDER ; REDDY KIRAN K ; YORK CHERYL L ; WELCHEL DEBRA N ; DETAMORE JAMES J ; DETAMORE JAMES JOSEPH ; GOERG CHARLES H ; BOGA RAMESHBABU ; BUTLER AMANDA

Assignee(s): CLARK GERALD L ; KIMBERLY CLARK WORLDWIDE INC ; PHELPS STEPHEN L ; TRAMONTINA PAUL FRANCIS ; KIMBERLY CLARK CORP ; JOHNSON DARRELL R ; KAPILOFF DAVID W ; KIMBERLY CLARK WORLDWIDE INC NEENAH

Inventor(s): (std): AMANDA BUTLER ; BOGA RAMESHBABU ; BUTLER AMANDA ; CLARK GERALD L ; DETAMORE JAMES J ; DETAMORE JAMES JOSEPH ; DIXON NG ; FRANC MITCHELL JOSEPH WINDER J ; GOERG CHARLES H ; JASON LYE ; JOHNSON DARRELL R ; JOSEPH MITCHELL ; KAPILOFF DAVID W ; LYE JASON ; LYNN YORK CHERYL ; MITCHELL JOSEPH ; LEWIS RICHARD P ; LEWIS RICHARD PAUL ; NG DIXON ; OYLER JOHN R ; OYLER JOHN ROBERT ; PADAK RONALD R ; PHELPS STEPHEN L ; RAMESHBABU BOGA ; RAYMOND PADAK RONALD ; PADAK RONALD RAYMOND ; REDDY KIRAN K ; TRAMONTINA PAUL F ; TRAMONTINA PAUL FRANCES ; WELCHEL DEBRA N ; WINDER JAMES A ; WINDER JAMES ALEXANDER ; YORK CHERYL LYNN ; YORK CHERYL L ; TRAMONTINA PAUL FRANCIS ; JOSEPH DETAMORE JAMES ; FRANCES TRAMONTINA PAUL ; ROBERT OYLER JOHN ; PAUL LEWIS RICHARD ; ALEXANDER WINDER JAMES

Inventor(s): MITCHELL JOSEPH WINDER JAMES ALEXANDER DETAMORE JAMES JOSEPH YORK CHERYL LYNN TRAMONTINA PAUL FRANCES OYLER JOHN ROBERT PADAK RONALD RAYMOND LEWIS RICHARD PAUL KAPILOFF DAVID W ; CHERYL L YORK ; CHARLES H GOERG ; RONALD R PADAK ; YORK CHERYL L CANTON ; YORK CHERYL LYNN CANTON ; MITCHELL JOSEPH ALPHARETTA ; LYE JASON ATLANTA ; DETAMORE JAMES J ATLANTA ; BOGA RAMESHBABU ALPHARETTA ; YORK CHERYL ; WELCHEL DEBRA N WOODSTOCK ; WINDER JAMES ; TRAMONTINA PAUL FRANCES ALPHARETTA ; WELCHEL DEBRA ; REDDY KIRAN K ROSWELL ; TRAMONTINA PAUL ; PADAK RONALD RAYMOND SUWANEE ; PHELPS STEPHEN ; REDDY KIRAN ; PADAK RONALD R SUWANEE ; PADAK RONALD ; OYLER JOHN ; LEWIS RICHARD PAUL MARIETTA ; MITCHELL JOSEPH WINDER JAMES ALEXANDER ; MITCHELL JOSEPH WINDER JAMES ALEXANDER DETAMORE JA ; KIRAN K REDDY ; LEWIS RICHARD ; KAPILOFF DAVID ; JOHNSON DARRELL ; JAMES J DETAMORE ; GOERG CHARLES ; DETAMORE JAMES JOSEPH ATLANTA ; CLARK GERALD L NICHOLSON ; DEBRA N WELCHEL ; DETAMORE JAMES ; BUTLER AMANDA WOODSTOCK ; CLARK GERALD

Agent(s): BORDEN LADNER GERVAIS LLP; ZIMMERMANN AND PARTNER PATENTANWAELTE MBB; DEHNS; MABEY KATHERINE FRANCES; KIMBERLY CLARK WORLDWIDE INC; DORITY AND MANNING PA

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

Title: INTELLIGENT DISPENSING SYSTEM

Abstract: A system and apparatus for automatically dispensing a paper product mounted on a gravity-assisted holder through a dispenser. The apparatus includes an electric motor, a main product roller for automatically rolling a predetermined amount of the paper product from the holder, exit guide rollers for guiding the paper product through a front cover of the dispenser, and a series of interconnected gears that are driven by the electric motor to activate the main product roller and exit guide roller and operate both the main roller and exit roller at the same speed. Operating the rollers at the same speed prevents paper or tissue jamming inside the dispenser. The system monitors usage of each paper product dispenser with each dispenser having a microprocessor controller for determining a corresponding paper product status for the dispenser. Each paper product dispenser communicates with a master network device preferably mounted on a ceiling plane. Paper product status messages are transmitted between each dispenser and master network device unit using a standard data communications protocol. The master network device communicates the paper product status for each individual dispenser to an independent building automation and control network. A central control console that is interoperable with the building automation and control network monitors the status of each paper product dispenser through signals communicated from a master receiver/transmitter unit to the central control console.

Classifications:

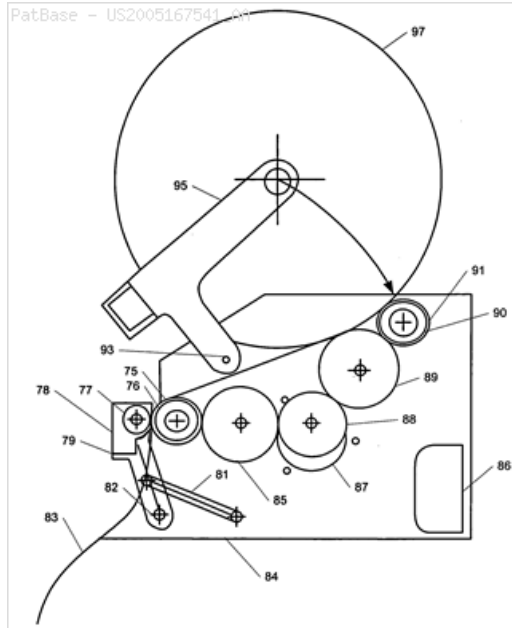
International (ipc 8-9): A47K10/36 A47K10/38 B65H16/06 B65H16/10 B65H26/00 F01D25/16 F16C23/06 F16C27/04 F16C35/077 F16F15/023 G05B23/02 H04L12/54 (Advanced/Invention); G05D9/12 (Advanced/Non-invention); A47K10/24 B65H16/00 B65H26/00 F01D25/16 F16C23/00 F16C27/00 F16C35/04 F16F15/023 G05B23/02 H04L12/54 (Core/Invention); G05D9/00 (Core/Non-invention)

International (ipc 1-7): B65H16/10

CPC: A47K2010/3668 A47K10/36 B65H16/106 B65H16/005 B65H2551/185 B65H2551/212 A47K10/3618 A47K10/3625

European: A47K10/36 B65H16/00D B65H16/10C L65H551/185 L65H551/212

US: 242/563 242/563.2 242/563P 242/564.4 242/564.400S 242/564.5 242/564.500S

**Family:**

Publication number	Publication date	Application number	Application date
AT496200 E	20110215	AT20050706120T	20050131
CA2555022 AA	20060728	CA20052555022	20050131
CA2555022 C	20111122	CA20052555022	20050131
DE602005025978 D1	20110303	DE200560025978T	20050131
EP1718550 A2	20061108	EP20050706120	20050131
EP1718550 A4	20090114	EP20050706120	20050131
EP1718550 B1	20110119	EP20050706120	20050131
US2005167541 AA	20050804	US20040967976	20041019
US7213782 BB	20070508	US20040967976	20041019
US7370824 BA	20080513	US20050120732	20050503
WO05074532 A2	20050818	WO2005US02637	20050131
WO05074532 A3	20071108	WO2005US02637	20050131

Priority:

US20040540633P 20040130 US20040967976 20041019 WO2005US02637 20050131
US20050120732 20050503

Probable Assignee: VALVE SOLUTIONS INC

Assignee(s): (std): CHANG TSU LING ; OSBORNE CHARLES AGNEW

Assignee(s): VALVE SOLUTIONS INC ; OSBORNE CHARLES A

Inventor(s): (std): CHANG TSU LING ; OSBORNE CHARLES A ; OSBORNE CHARLES AGNEW

Inventor(s): OSBORNE CHARLES

Agent(s): MACRAE AND CO; PATENTANWALTE HOFSTETTER SCHURACK AND SKORA; WOMBLE CARLYLE SANDRIDGE AND RICE; WOMBLE CARLYLE SANDRIDGE AND RICE PLLC

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

Title: AUTOMATED DISPENSER WITH A PAPER SENSING SYSTEM

Abstract: A dispenser for dispensing a portion of sheet product stored in a dispenser, in which a dispensed sheet portion is to be removed by tearing the sheet portion from the remaining product supply. The dispenser includes a system which detects the presence of sheet product in a region of a dispensing outlet. Upon detection of a potential user, the sensing system causes dispensing of paper, on the condition that the sheet portion is regarded as having been torn off. The system includes elements for detecting a discontinuity in the sheet product.

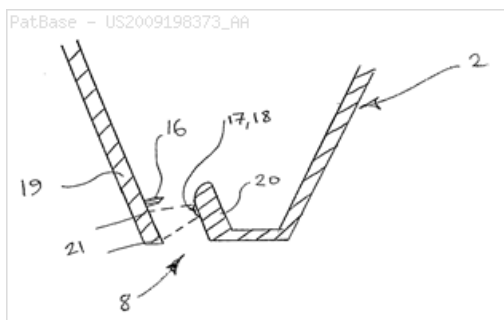
Classifications:

International (IPC 8-9): A47K10/36 G06F17/00 (Advanced/Invention); A47K10/24 (Core/Invention)

CPC: A47K2010/3668 A47K10/36 A47K10/3612 A47K10/3625

European: A47K10/36

US: 221/33 221/36 221/36S 221/45 242/554.5 700/231 700/231P



Family:

Publication number	Publication date	Application number	Application date
AT432034 E	20090615	AT20050818919T	20051214
AU2005339236 AA	20070621	AU20050339236	20051214
AU2005339236 BB	20111124	AU20050339236	20051214
CA2631386 AA	20080528	CA20052631386	20051214
CA2631386 C	20150127	CA20052631386	20051214
CN101370415 A	20090218	CN200580052300	20051214
CN101370415 B	20120208	CN200580052300	20051214
DE602005014693 D1	20090709	DE200560014693T	20051214
EP1959805 A1	20080827	EP20050818919	20051214
EP1959805 B1	20090527	EP20050818919	20051214
ES2326331 T3	20091007	ES20050818919T	20051214
US2009198373 AA	20090806	US20050097674	20051214
US8224480 BB	20120717	US20050097674	20051214
WO07068269 A1	20070621	WO2005EP13448	20051214

Priority:

WO2005EP13448 20051214

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): MOK KIN LUN ; MOK KING LUN ; NG HONG ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCT AB

Assignee(s): SCA HYGIENE PRODUCTS AB ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Inventor(s): (std): HANG WU ; HONG NG ; JIANLIN MO ; JINGLUN MO ; LUN MOK KIN ; LUN MOK KING ; MOK KIN LUN ; MOK KING LUN ; NG HONG

Inventor(s): WU HANG ; MO JIANLIN ; MO JINGLUN ; KIN LUN MOK ; KING LUN MOK

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FETHERSTONHAUGH AND CO; EKSTROEM NILS ET AL; YOUNG AND THOMPSON

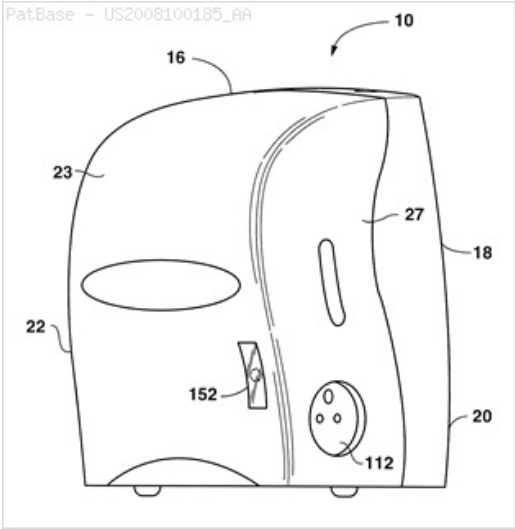
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Title: HANDS-FREE ELECTRONIC TOWEL DISPENSER WITH POWER SAVING FEATURE

Abstract: A hands-free towel dispenser for dispensing a measured sheet from a roll of towel material includes a housing having an internal volume so as to retain at least one roll of towel material therein. An electronically powered dispensing mechanism is contained within the housing for dispensing a measured sheet from the roll of towel material upon actuation of the dispensing mechanism. A passive trigger sensor is disposed so as to detect the presence of a user in a first detection zone, and an active dispense sensor is disposed so as to detect the presence of a user in a second detection zone that is different from the first detection zone. For each dispense cycle, the passive trigger sensor senses the presence of a user in the first detection zone prior to the active dispense sensor being enabled to initiate a dispense sequence upon detection of the user in the second detection zone.

Classifications:

International (IPC 8-9): A47K10/24 A47K10/36
B65H43/00 (Advanced/Invention);
A47K10/24 B65H43/00 (Core/Invention)
CPC: A47K10/3687 A47K2010/3668 A47K10/36 A47K10/3612
A47K10/3625
European: A47K10/36
US: 242/563 250/221 312/34.22



Family:

Publication number	Publication date	Application number	Application date
US2008100185 AA	20080501	US20070759391	20070607
US7523885 BB	20090428	US20070759391	20070607
WO08053385 A1	20080508	WO20071B53151	20070808

Priority:

US20060855707P 20061031 US20070759391 20070607

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; LEWIS RICHARD P

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): LEWIS RICHARD P

Agent(s): DORITY AND MANNING PA; BONDURA STEPHEN E

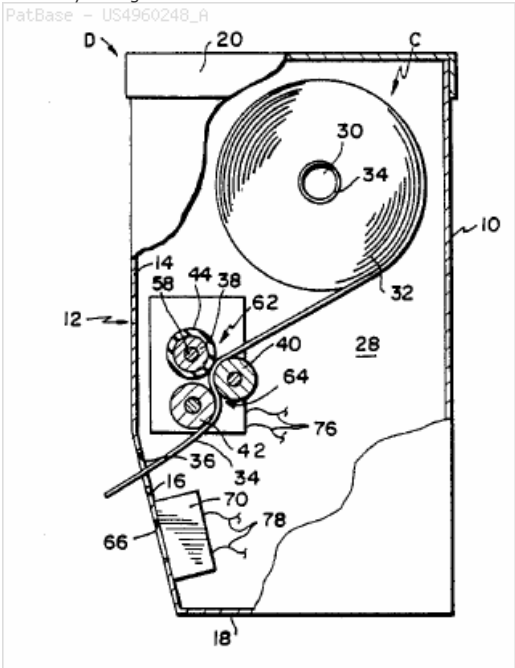
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Title: APPARATUS AND METHOD FOR DISPENSING TOWELING

Abstract: A dispenser for roll toweling and the like includes a housing having an aperture. A roll of toweling is rotatably mounted within the housing, a drive system cooperates with the roll for causing the roll to rotate so that toweling is dispensed through the aperture. A non-contact passive sense system is operably associated with the drive system for monitoring that portion of the infrared spectrum associated with animate bodies so that the presence of an animate body may be detected, and for causing selective operation of the drive system upon the animate body being detected.

Classifications:

International (IPC 8-9): A47K10/36 (Advanced/Invention);
A47K10/24 (Core/Invention)
International (IPC 1-7): B65H16/02 B65H16/06
CPC: A47K2010/3668 A47K10/36 A47K10/3612 A47K10/3625
European: A47K10/36
US: 242/55.2 242/55.53 242/564.4 242/598.6 242/67.3R



Family:

Publication number	Publication date	Application number	Application date
US4960248 A	19901002	US19890324092	19890316

Priority:

US19890324092 19890316

Probable Assignee: SLOAN VALVE CO
Assignee(s): (std): BAUER IND INC
Assignee(s): BAUER INDUSTRIES INC ; SLOAN VALVE CO ; BAUER IND
Inventor(s): (std): BAUER ALBERT H ; SHAW DANIEL C

Title: SHEET PRODUCT DISPENSER WITH SENSOR FOR SHEET SEPARATION

Abstract: A sheet product dispenser is provided. The sheet product dispenser includes a roll of sheet product, a dispensing arrangement, and a method of sensing the separation of a dispensed sheet product. A sensor is provided for detecting the movement of a movable member, such as a tear bar or paper guide. The sensor generates a signal in response to the movement of the movable member. A controller de-energizes a roller in said dispensing arrangement in response to said signal.

Classifications:

International (IPC 8-9): A47K10/24 A47K10/26 A47K10/34
A47K10/36 B65D83/00 B65D83/08 B65H23/198

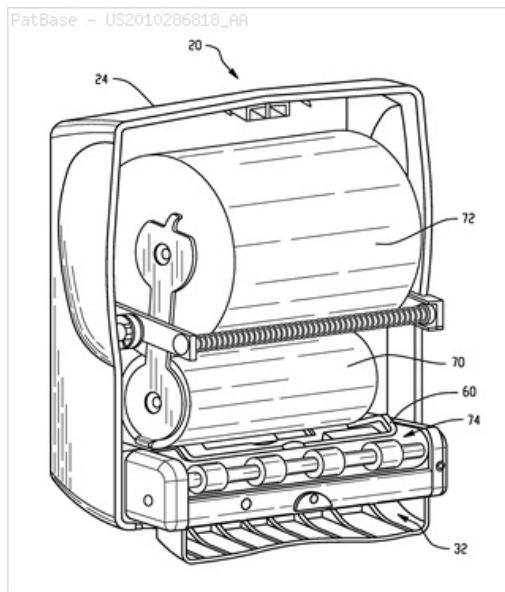
G06F17/00 (Advanced/Invention);

A47K10/34 B65H23/198 (Core/Non-invention)

CPC: A47K10/26 A47K10/3612 A47K10/3625 A47K10/36
A47K10/3687

European: A47K10/26 A47K10/36

US: 221/1 221/1S 221/30 221/30S 242/564.1 700/232 700/232P



Family:

Publication number	Publication date	Application number	Application date
CA2760545 AA	20101111	CA20102760545	20100506
CA2760545 C	20170207	CA20102760545	20100506
CN102573588 A	20120711	CN201080027779	20100506
CN102573588 B	20150107	CN201080027779	20100506
EP2427091 A2	20120314	EP20100772812	20100506
MX2011011803 A1	20111208	MX20110011803	20100506
TW201043182 A	20101216	TW20100108491	20100323
TWI533832 B	20160521	TW20100108491	20100323
US2010286818 AA	20101111	US20090437921	20090508
US2013248644 AA	20130926	US20130897428	20130519
WO10129742 A2	20101111	WO2010US33829	20100506
WO10129742 A3	20110414	WO2010US33829	20100506

Priority:

US20090437921 20090508 WO2010US33829 20100506 US20130897428 20130519

Probable Assignee: GEORGIA PACIFIC CONSUMER PROD

Assignee(s): (std): CORNELL ROBERT W ; GEORGIA PACIFIC CONSUMER PROD ; GEORGIA PACIFIC CONSUMER PRODUCTS LP ; GOEKING HAROLD J ; ZOSIMADIS PANAGIOTIS ; MCNEELY NOAH

Assignee(s): GPCP IP HOLDINGS LLC

Inventor(s): (std): CORNELL ROBERT W ; GOEKING HAROLD J ; MCNEELY NOAH ; NOAH MCNEELY ; PANAGIOTIS ZOSIMADIS ; ZOSIMADIS PANAGIOTIS ; GOEKING HAROLD

Inventor(s): ROBERT W CORNELL ; HAROLD J GOEKING

Agent(s): BLAKE CASSELS AND GRAYDON LLP ; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER ; GEORGIA-PACIFIC LLC ; GEORGIA PACIFIC LLC ; CHARLTON JOEL T ET AL

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

Title: ELECTRONIC DISPENSER FOR FLEXIBLE ROLLED SHEET MATERIAL

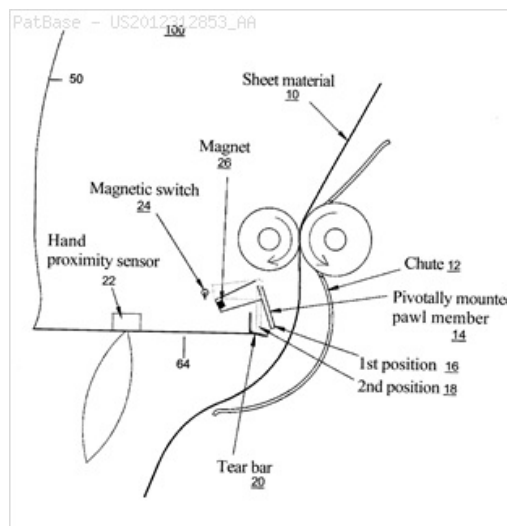
Abstract: An electronic dispenser for dispensing flexible sheet material. A control circuit in the housing receives a plurality of signals and controls dispensing of the sheet material from the housing. A tear bar is mounted within the housing for severance of sheet material by the user. A pivotally mounted pawl member is located proximate to the tear bar such that movement of sheet material into the tear bar for severance pivots the pawl member from a first position to a second position. A signal means associated with the pawl member is located such that movement of the pawl member to the second position causes the signal means to send a signal to notify the control circuit that the sheet material has been removed. The dispensing mechanism is operative in a first mode to be responsive to a signal from a proximity sensor to dispense a sheet of material, and is operative in a second mode to dispense a next sheet in response to the signal means being activated by movement of the pawl member to the second position in response to dispensed sheet material being removed from the dispenser.

Classifications:

International (IPC 8-9): A47K10/34 A47K10/36 A47K10/38 B65H16/10 B65H26/00 B65H35/04 B65H43/00 (Advanced/Invention)

CPC: Y10T225/205 A47K10/36 A47K2010/3881 Y10T225/209

US: 225/10 242/563

**Family:**

Publication number	Publication date	Application number	Application date
CA2838721 AA	20131206	CA20122838721	20120607
DE602012024941 D1	20161208	DE201260024941T	20120607
EP2718213 A1	20140416	EP20120800559	20120607
EP2718213 A4	20141210	EP20120800559	20120607
EP2718213 B1	20161102	EP20120800559	20120607
US2012312853 AA	20121213	US20110155528	20110608
WO12173871 A1	20121220	WO2012US41377	20120607

Priority:

US20110155528 20110608 EP20120800559 20120607 WO2012US41377 20120607

Probable Assignee: VSI IMPORT SOLUTIONS LLC

Assignee(s): (std): CHANG TSU LING ; OSBORNE CHARLES A ; VSI IMP SOLUTIONS LLC

Assignee(s): VSI IMPORT SOLUTIONS LLC ALPHARETTA ; OSBORNE CHARLES AGNEW JR ; VALVE SOLUTIONS INC ; VSI IMPORT SOLUTIONS LLC

Inventor(s): (std): CHANG TSU LING ; OSBORNE CHARLES A ; OSBORNE CHARLES AGNEW JR

Inventor(s): OSBORNE CHARLES AGNEW JR CUMMING ; CHANG TSU LING WORTHINGTON

Agent(s): MACRAE AND CO; HOFSTETTER SCHURACK AND PARTNER PATENT U RECHTSANWALTSKANZLEI PARTG MBB; HOFSTETTER ALFONS J; HOFSTETTER SCHURACK AND PARTNER; TIMAR JOHN

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

Title: ELECTRONIC TOWEL DISPENSER WITH ADDITIONAL POWER SAVING MODE

Abstract: A hands-free towel dispenser includes a housing having an internal volume that may contain at least one roll of towel material. Within the dispenser a dispensing mechanism is in communication with a sensor system which scans for the presence of a user at a first pulse rate and initiates a dispense cycle upon sensing a user. The sensor system is in electrical communication with a control circuit which determines the time that has elapsed from the last dispense cycle and compare the elapsed time with a preset value. If the elapsed time is greater than the preset value, the control circuit configures the sensor system to scan for the presence of a user at a second pulse rate. Upon detecting a user, the control circuit initiates a dispense cycle and sets the sensor system to scan for the presence of a user at the first pulse rate.

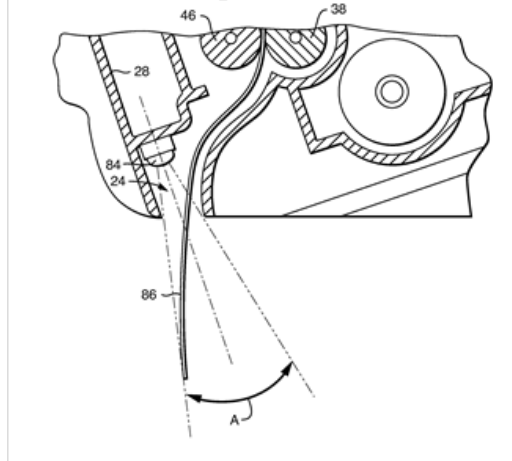
Classifications:

International (IPC 8-9): A47K10/36 B65H26/06 (Advanced/Invention)

CPC: A47K10/36 A47K2010/3668

US: 242/563.2

PatBase - US2014001303_AA



Family:

Publication number	Publication date	Application number	Application date
CA2875505 AA	20141202	CA20132875505	20130614
EP2866628 A1	20150506	EP20130759571	20130614
US2014001303 AA	20140102	US20120537344	20120629
WO14001944 A1	20140103	WO20131B54896	20130614

Priority:

US20120537344 20120629 WO20131B54896 20130614

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): ENGELSTEIN GEOFFREY ; KIMBERLY CLARK CO ; O CONNOR JOHN ; TRAMONTINA PAUL F

Assignee(s): KIMBERLY CLARK WORLDWIDE INC2300 WINCHESTER ROADNEENAHWI54956US ; KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): ENGELSTEIN GEOFFREY ; O CONNOR JOHN ; OCONNOR JOHN ; TRAMONTINA PAUL F

Inventor(s): TRAMONTINA PAUL FUS ; O CONNOR JOHNUS ; ENGELSTEIN GEOFFREYUS

Agent(s): BORDEN LADNER GERVAIS LLP; MABEY KATHERINE FRANCES; KLEMBUS NANCY M ET AL

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

Title: OPTIMIZING A DISPENSING PARAMETER OF A PRODUCT DISPENSER BASED ON PRODUCT USAGE DATA

Abstract: Systems, methods, and computer-readable media are disclosed for optimizing a value of a dispensing parameter of a product dispenser based at least in part on product usage data. The dispensing parameter may include any suitable adjustable parameter of the product dispenser including, but not limited to, a dispense duration, a volume of product (e.g., a shot size), a sheet length, a capability of a user sensor to distinguish between genuine and false triggers of the sensor, a delay setting that specifies a delay time between successive dispenses, or the like. The value of the dispensing parameter may be optimized to align an actual performance outcome with a target performance outcome. The target performance outcome may include, for example, minimizing product usage per user, maximizing user sensor reliability (e.g., a percentage of dispenses that occur in response to genuine user-initiated triggering events), and so forth.

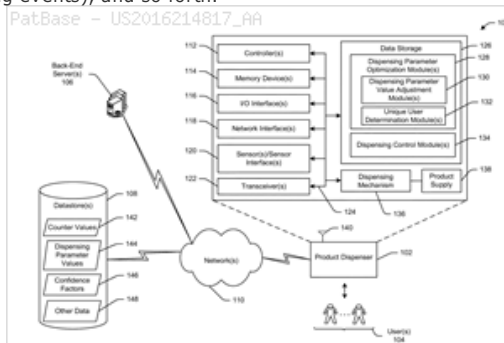
Classifications:

International (IPC 8-9): A47K10/26 A47K10/34 A47K10/36 A47K10/38 A47K10/42 A47K5/06 A47K5/12 B05C5/00 B65D47/00 B65D83/00 B65H16/00 B65H26/06 B65H35/00 B67C3/00 G05B15/02 (Advanced/Invention);

A47K10/32 A47K10/38 (Advanced/Non-invention)

CPC: A47K2010/3226 G05B15/02 A47K10/38 A47K5/1217 A47K10/36 A47K10/3625 A47K2010/3266 A47K2010/3668 A47K2010/3881

US: 700/236

**Family:**

Publication number	Publication date	Application number	Application date
US2016214817 AA	20160728	US20150604232	20150123
US2016325957 AA	20161110	US20160213910	20160719
US9645561 BB	20170509	US20150604232	20150123
WO16118416 A1	20160728	WO2016US13608	20160115

Priority:

US20150604232 20150123 US20160213910 20160719

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

Title: SHEET PRODUCT DISPENSER

Abstract: Some example product dispensers that accommodate two full paper towel rolls are provided herein. The product dispenser may employ separate dispensing mechanisms for each product roll and may include roll holders that articulate out from the housing to facilitate easy loading and access to replacement and loading of the other product roll. A roll partition may be utilized to separate the web paths of the two product rolls and enable rotation of front roll holders. Example funnel covers and nip covers can aid with intuitive installation. Example roll holders with retention mechanisms help prevent unintentional dropping of the installed product roll. Other beneficial features include utilizing motor operation sensing to dispense a desired sheet length, automatic/assisted loading into the dispensing mechanism, automatic switching between dispensing of product rolls, and always dispensing from the smaller product roll first. Many other features/structures of example product dispensers are also described herein.

Classifications:

International (IPC 8-9): A47K10/36 A47K10/38

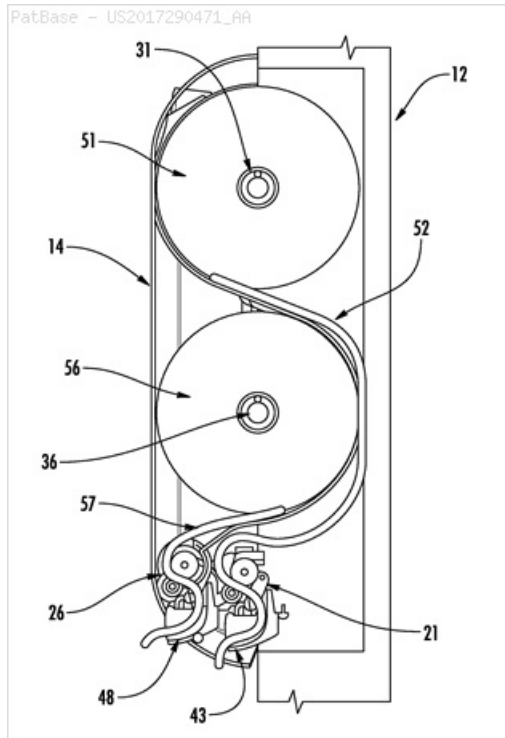
B65H1/00 (Advanced/Invention);

A47K10/32 (Advanced/Non-invention)

CPC: A47K10/3687 A47K2010/3233 A47K10/36 A47K2010/3253

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A47K10/3612 A47K2010/326



Family:

Publication number	Publication date	Application number	Application date
US2017290471 AA	20171012	US20170479656	20170405
US2017290472 AA	20171012	US20170480614	20170406
US2017290473 AA	20171012	US20170481113	20170406
US2018177348 AA	20180628	US20180903339	20180223
US9999326 BB	20180619	US20170480614	20170406
WO17180476 A1	20171019	WO2017US26646	20170407

Priority:

US20160320829P 20160411	US20170453829P 20170202	US20170479656 20170405
US20170480614 20170406	US20170481113 20170406	US20180903339 20180223

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