

Search query (2): [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: 12

Search history

Search PN=(WO2015112061) (Results 1)

1:

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 12)

Title: HYGIENIC SHEET MATERIAL DISPENSER

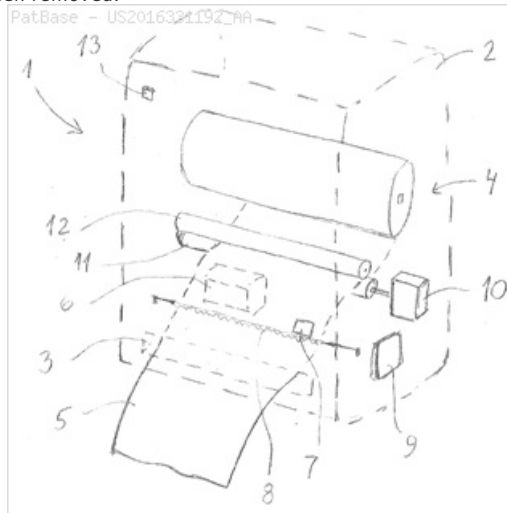
Abstract: Source: US2016331192A A hygienic sheet material dispenser includes a housing with a dispensing opening, a compartment for a sheet material product, a first sensor arranged to assume an active mode in which it scans for the presence of a user, a dispensing motor arranged to drive a driving mechanism, 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)

CPC: A47K2010/3881 A47K10/36 A47K2010/3668

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
WO15112061 A1	20150730	WO2014SE50076	20140122

Priority:

WO2014SE50076 20140122

Probable Assignee: SCA HYGIENE PROD AB

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

Assignee(s): SCA HYGIENE PRODUCTS AB

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

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: ELECTRICAL ROLL PRODUCT DISPENSER

Abstract: Source: US2003116003A 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:

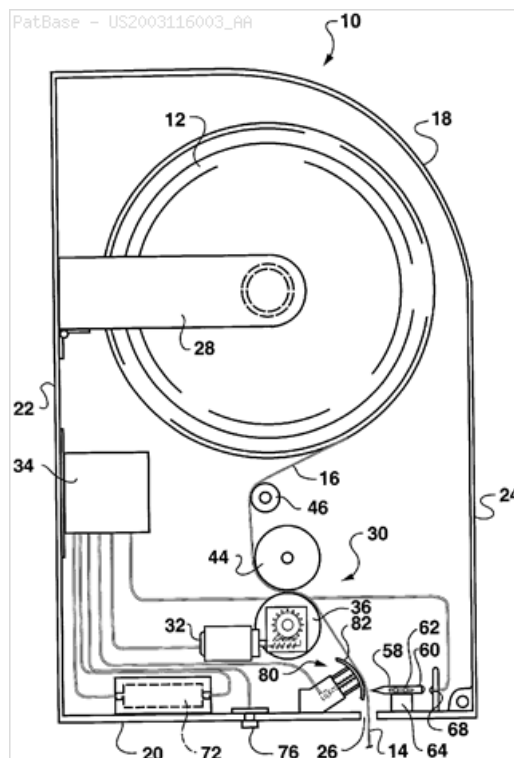
International (IPC 8-9): A47K10/36 (Advanced/Invention);
A47K10/24 (Core/Invention)

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
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CA2469032 AA	20040604	CA20022469032	20020905
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EP1455624 A1	20040915	EP20020761575	20020905
EP1455624 B1	20051116	EP20020761575	20020905
MXPA04005298 A1	20040913	MX2004PA05298	20020905
US2003116003 AA	20030626	US20010027785	20011220
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Priority:

US20010027785 20011220 WO2002US28271 20020905

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

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

Assignee(s): 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
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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: Source: US2003167893A 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

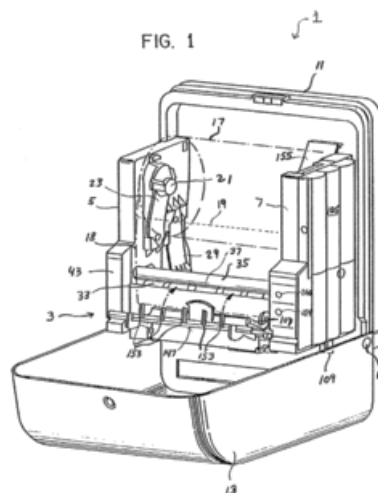
CPC: Y10T83/541 Y10T83/8822 Y10T83/889 Y10T83/896 Y10T225/12 Y10T225/205 Y10T225/209 Y10T225/232 Y10T225/238 Y10T225/268 Y10T225/30 H03K2017/9606 A47K2010/3668 B65H35/10 A47K10/36 A47K10/3612 A47K10/3625 A47K2010/3881

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
US2003168550 AA	20030911	US20020211280	20020805
US2003169046 AA	20030911	US20020211301	20020805
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US2008011772 AA	20080117	US20070782227	20070724
US2008087758 AA	20080417	US20070953116	20071210
US2010089939 AA	20100415	US20090603288	20091021
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US7698980 BB	20100420	US20070782227	20070724
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US8186551 BB	20120529	US20090603288	20091021

Priority:

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US20020211333 20020805	US20020211334 20020805	US20040925085 20040825
US20070782227 20070724	US20070953116 20071210	US20090603288 20091021

Probable Assignee: GEORGIA PACIFIC CONSUMER PRODUCTS LP

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

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GEORGIA PACIFIC CORRUGATED LLC DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC GYPSUM LLC
DELAWARE LIABILITY CO LTD ; GEORGIA PACIFIC LLC DELAWARE PARTNERSHIP LTD ; GEORGIA
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SWITZERLAND LIABILITY CO LTD

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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: Source: US2004035976A 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:

International (ipc 8-9): A47K10/24 A47K10/26 A47K10/32

A47K10/34 A47K10/36 A47K10/38 B65H16/00 B65H16/06

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

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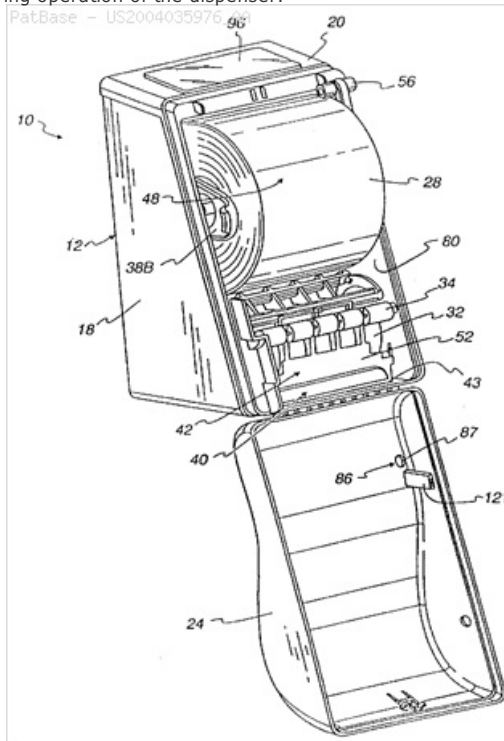
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European: A47K10/36

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
AU720835 B2	20000615	AU19970022738	19970213
CA2246357 AA	19980811	CA19972246357	19970213
CA2246357 C	20041019	CA19972246357	19970213
CA2342260 AA	20010930	CA20012342260	20010327
CA2342260 C	20090317	CA20012342260	20010327
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EP1386572 A2	20040204	EP20030078362	19970213
EP1386572 A3	20040331	EP20030078362	19970213
EP1386572 B1	20050810	EP20030078362	19970213
EP1405590 A1	20040407	EP20030078357	19970213
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MXPA01003254 A1	20040730	MX2001PA03254	20010329
NZ331912 A	20000128	NZ19970331912	19970213
TH30518 A	19981020	TH19971000532	19970214
TW343139 B	19981021	TW19970101780	19970215
US2004035976 AA	20040226	US20030393176	20030320
US2004041057 AA	20040304	US20030394320	20030320
US2004135027 AA	20040715	US20030745714	20031222
US2006163416 AA	20060727	US20060352456	20060209
US2009026305 AA	20090129	US20080026287	20080205
US2009272836 AA	20091105	US20090284334	20090609
US2016000274 AA	20160107	US20150628727	20150223
US5772291 A	19980630	US19960603051	19960216
US6105898 A	20000822	US19980085289	19980527
US6293486 BA	20010925	US20000642866	20000821
US6695246 BA	20040224	US20000538453	20000330
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US7325767 BB	20080205	US20030745714	20031222
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US7354015 BB	20080408	US20030393176	20030320
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WO9729671 A1	19970821	WO1997US02363	19970213

Priority:

CA20012342260 20010327	EP19970905972 19970213	US19960603051 19960216
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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 ; MOSINEE PAPER CORP ; WAUSAU PAPER TOWEL AND TISSUE LLC ; WAUSAU PAPER TOWEL AND TISSUE LL ; ELLIOTT ADAM T ; 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: Source: US2005145745A 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:

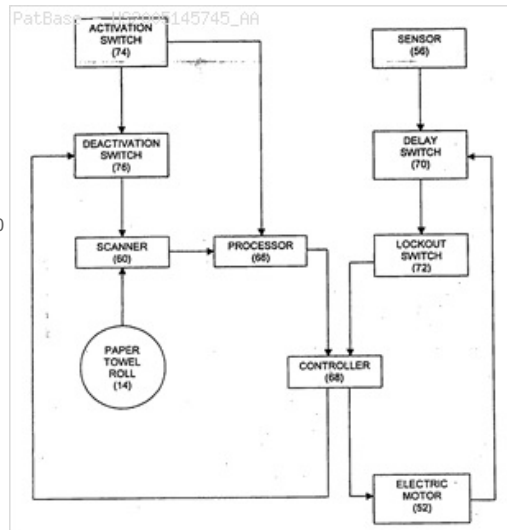
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International (ipc 1-7): A47K10/36 A47K5/06 B65H26/00 G06F17/00

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US: 221/2 221/5 242/563 242/563.2 242/564.4 4/302 4/313 4/427 4/623 4/668 4/668P 4/DIG.3 700/231 700/232 700/233 700/236 700/236P 700/240 700/241 700/243 700/244 700/244P

**Family:**

Publication number	Publication date	Application number	Application date
CA2552123 AA	20060628	CA20042552123	20041222
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Priority:

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WO2005US43006	20051128				

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

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

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

Agent(s): BORDEN LADNER GERVAIS LLP; ZIMMERMANN AND PARTNER PATENTANWALTE 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: AUTOMATED DISPENSER WITH A PAPER SENSING SYSTEM

Abstract: Source: US2009198373A 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.

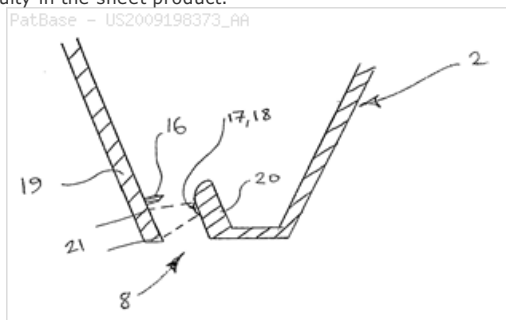
Classifications:

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
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DE602005014693 D1	20090709	DE200560014693T	20051214
EP1959805 A1	20080827	EP20050818919	20051214
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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

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

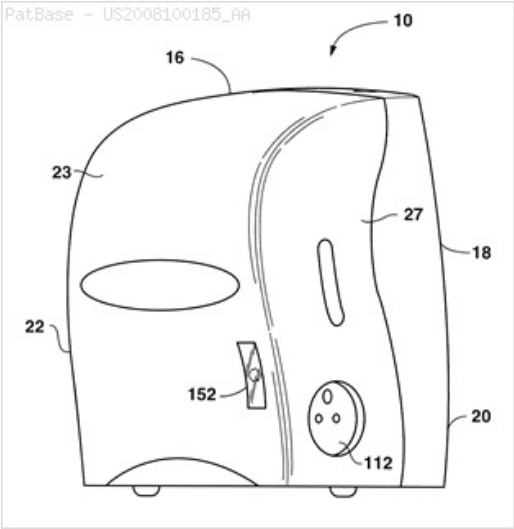
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Title: HANDS-FREE ELECTRONIC TOWEL DISPENSER WITH POWER SAVING FEATURE

Abstract: Source: US2008100185A 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
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WO08053385 A1	20080508	WO20071B53151	20070808

Priority:

US20060855707P 20061031 US20070759391 20070607

Probable Assignee: KIMBERLY CLARK CO

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

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

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

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

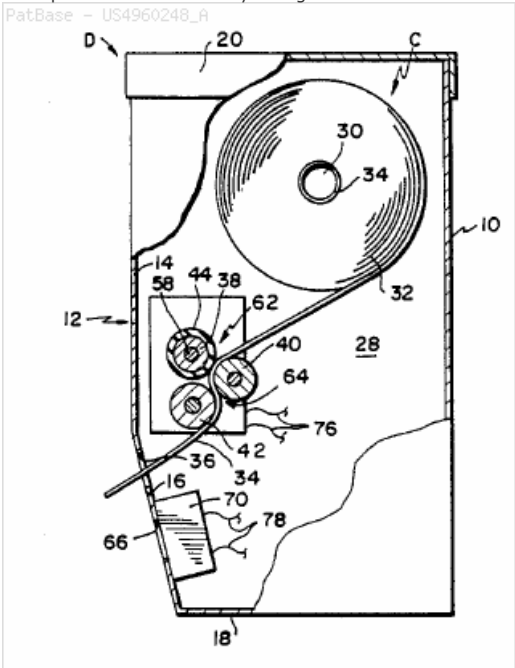
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Title: APPARATUS AND METHOD FOR DISPENSING TOWELING

Abstract: Source: US4960248A 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
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Priority:

US19890324092 19890316

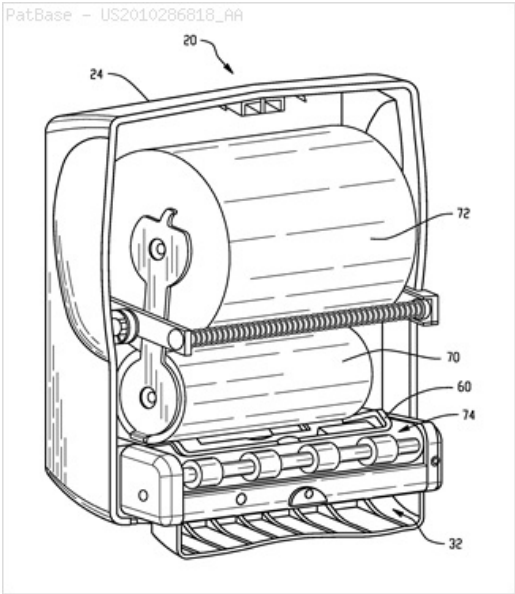
Probable Assignee: SLOAN VALVE CO
Assignee(s): (std): BAUER IND INC
Assignee(s): BAUER INDUSTRIES INC ; SLOAN VALVE CO ; BAUER IND
Inventor(s): (std): BAUER ALBERT H ; SHAW DANIEL C

Title: SHEET PRODUCT DISPENSER WITH SENSOR FOR SHEET SEPARATION

Abstract: Source: US2010286818A 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
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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
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Priority:

US20090437921 20090508 US20130897428 20130519 WO2010US33829 20100506

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): GOEKING HAROLD ; GOEKING HAROLD J ; CORNELL ROBERT W ; MCNEELY NOAH ; NOAH MCNEELY ; PANAGIOTIS ZOSIMADIS ; ZOSIMADIS PANAGIOTIS

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

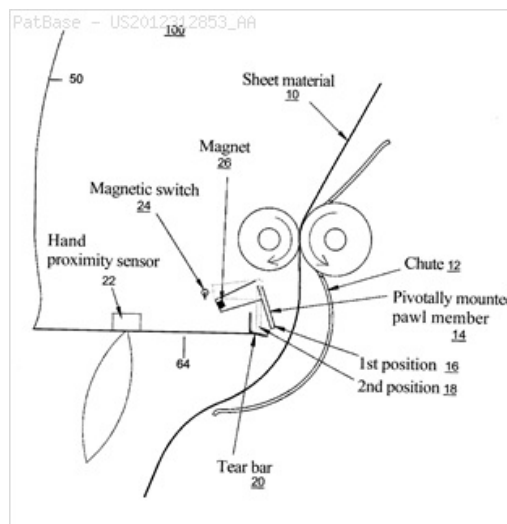
Abstract: Source: US2012312853A An electronic dispenser for dispensing flexible sheet material. A control circuit in the housing receives a plurality of signals and controls dispensing of the sheet material from the housing. A tear bar is mounted within the housing for severance of sheet material by 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
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EP2718213 A4	20141210	EP20120800559	20120607
EP2718213 B1	20161102	EP20120800559	20120607
US2012312853 AA	20121213	US20110155528	20110608
WO12173871 A1	20121220	WO2012US41377	20120607

Priority:

EP20120800559 20120607 US20110155528 20110608 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 ; VSI IMPORT SOLUTIONS LLC ALPHARETTA ; OSBORNE CHARLES AGNEW JR

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

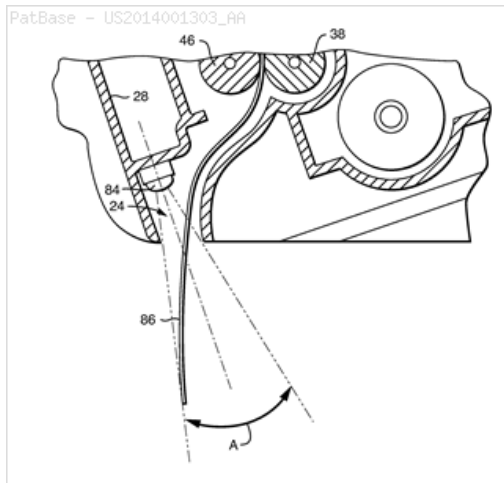
Abstract: Source: US2014001303A A hands-free towel dispenser includes a housing having an internal volume that may contain at least one roll of towel material. Within the dispenser a dispensing mechanism is in communication with a sensor system which scans for the presence of a user at a first pulse 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



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 WORLDWIDE INC

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

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

Inventor(s): (std): ENGELSTEIN GEOFFREY ; O CONNOR 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: Source: US2016214817A 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.

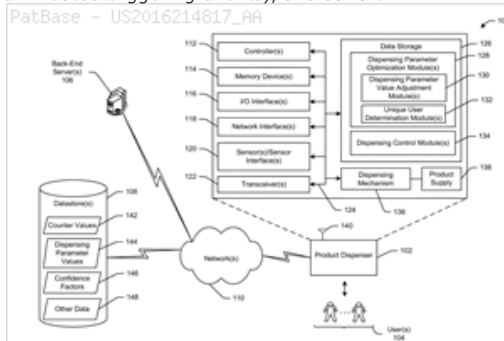
Classifications:

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

Probable Assignee: GEORGIA PACIFIC CONSUMER PRODUCTS LP

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

Inventor(s): (std): BORKE BRIAN SCOTT ; CITTADINO ANTONIO MICHAEL ; MURPHY DAVID WARREN

Agent(s): NELSON MULLINS RILEY AND SCARBOROUGH LLP; KARTES PATRICK L 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