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Search 6: FT=(roll 1w double) (Results 3149)
Search 7: FT=(mandrel) (Results 191512)
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Title: Apparatus for dispensing rolled flexible sheet material

Abstract: Source: US5314131A A **dispenser** for dispensing sheet material from a roll has a storage section wherein at least one reserve roll can be stored on a storage **mandrel** until depletion of a supply roll positioned on a dispensing **mandrel** in a dispensing section. Upon depletion of the supply roll, the user may pivot and remove the roll core from the dispensing **mandrel**. Upon return of the dispensing **mandrel** to its dispensing position, under a spring bias, the dispensing **mandrel** displaces and thereby releases a spring arm holding the reserve roll in the storage position against the bias of a spring urging the reserve roll toward the dispensing section. Upon release, the spring pushes the reserve roll onto the dispensing **mandrel** for dispensing. The **dispenser** housing has an inner frame member slidable within an outer frame member between a nested position wherein respective ends of the storage and dispensing **mandrel** are adjacent each other and dispensing and roll transfer can occur, and a protruded position wherein space is provided between respective ends of the storage and dispensing **mandrels** to allow reloading of the storage and dispensing sections.

Classifications:

International (IPC 8-9): A47K10/38 A47K10/40 (Advanced/Invention);
A47K10/32 (Advanced/Non-invention);
A47K10/24 (Core/Invention)

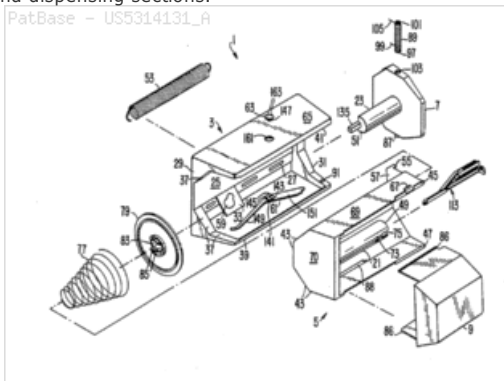
International (IPC 1-7): B65H16/02

CPC: A47K10/3836 A47K10/40 A47K2010/3253

European: A47K10/38C A47K10/40 K47K10/32R

US: 242/55.3 242/55.53 242/55.54 242/559 242/560.2

PatBase - US5314131_R



Family:

Publication number	Publication date	Application number	Application date
US5314131 A	19940524	US19930000113	19930104

Priority:

US19930000113 19930104

Probable Assignee: GEORGIA PACIFIC CONSUMER PRODUCTS LP

Assignee(s): (std): GEORGIA PACIFIC CORP

Assignee(s): CITICORP NORTH AMERICA INC ; GEORGIA PACIFIC CONSUMER OPERATIONS LLC ; GEORGIA PACIFIC CONSUMER PRODUCTS LLC ; GEORGIA PACIFIC CONSUMER PRODUCTS LP

Inventor(s): (std): MCCANLESS FORREST S ; BOONE BRUCE T

Title: Dual toilet roll **dispenser**

Abstract: Source: US2002130215A The invention is a toilet paper **dispenser** designed to hold two rolls of toilet paper. The **dispenser** has a housing containing a primary roll support and a secondary roll support. The secondary roll support is disposed parallel to and vertically above the primary roll support. The secondary roll support is connected to a release mechanism operative to lower the secondary roll support into a position to dispense toilet paper from its roll of toilet paper when the primary roll of toilet paper is exhausted. A roll guard prevents access to the secondary roll until the release mechanism has been activated. The release mechanism is automatically activated and released by a user-controlled trigger mechanism, preferably a lever, so that a user exhausting the primary roll of toilet paper may access the secondary roll without interfering with the **dispenser**.

Classifications:

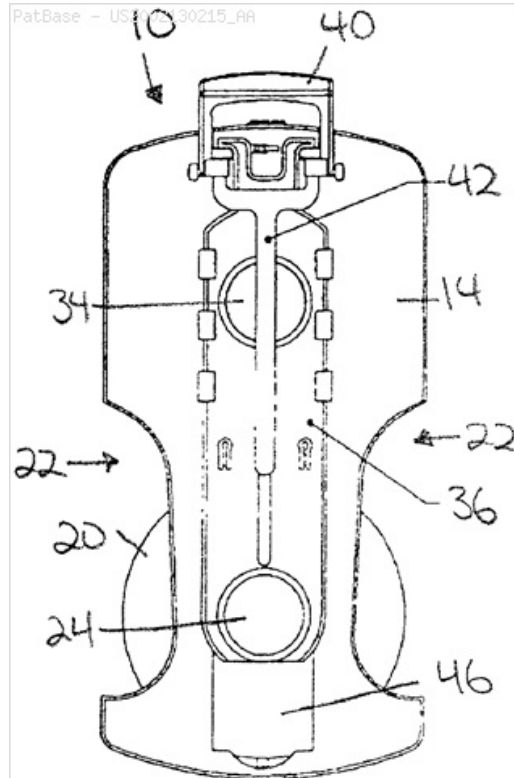
International (IPC 8-9): A47K10/38 (Advanced/Invention);
A47K10/32 (Advanced/Non-invention);
A47K10/24 (Core/Invention)

International (IPC 1-7): A47K10/38 B65H16/04 B65H19/00
B65H19/10

CPC: A47K10/3836 A47K2010/3253

European: A47K10/38C K47K10/32R

US: 242/558 242/559 242/559.3 242/560 242/560.2 242/560.3
242/597.8



Family:

Publication number	Publication date	Application number	Application date
AU2002242526 AA	20021003	AU20020242526	20020313
BRPI0204491 A	20050201	BR2002PI04491	20020313
DE10291132 T5	20040422	DE20021091132T	20020313
EP1367927 A1	20031210	EP20020708070	20020313
GB200226746 A0	20021224	GB20020026746	20020313
GB2383026 A1	20030618	GB20020026746	20020313
JP2004518512 T2	20040624	JP20020572864T	20020313
MXPA02011340 A1	20040126	MX2002PA11340	20020313
SE200203375 A	20030108	SE20020003375D	20021115
SE200203375 A0	20021115	SE20020003375	20021115
SE200203375 L	20030108	SE20020003375	20021115
US2002130215 AA	20020919	US20010809005	20010316
US6508432 BB	20030121	US20010809005	20010316
WO02074148 A1	20020926	WO2002CA00345	20020313
WO02074148 C2	20021205	WO2002CA00345	20020313

Priority:

US20010809005 20010316 WO2002CA00345 20020313

Probable Assignee: DISPENSING DYNAMICS INT PRODUCTS LTD

Assignee(s): (std): ENGLEWOOD VENTURES INC ; GLOBAL PLASTICS LTD

Assignee(s): US BANK NATIONAL ASSOCIATION ; MFC CAPITAL FUNDING INC ; MFC CAPITAL FUNDING INC AGENT AS ; DISPENSING DYNAMICS INT ; DISPENSING DYNAMICS INT LTD ; DISPENSING DYNAMICS INT PRODUCTS LTD ; ENGLEWOOD VENTURES INC SURREY ; GLOBAL PLASTICS

Inventor(s): (std): KRIVULIN SEMION ; SEMION KRIVULIN

Agent(s): GRIFFITH HACK; NAKAMURA GIHEI; NODA HISATO; SAKAI MASAYUKI; HORII YUTAKA; MORITA TOSHIO; FUKAMI HISAO

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

Title: COMPRESSED HOLLOW CORELESS RE-FORMABLE ROLL PRODUCTS

Abstract: Source: US2016137398A A compressed hollow coreless roll of absorbent paper sheet produced by way of providing a roll of absorbent paper sheet by winding the sheet about a forming core member having a diameter in the range of 30 mm to 50 mm; removing the forming core member such that there is provided a hollow coreless roll of absorbent paper sheet with an axial cavity having a diameter in the range of 30 mm to 50 mm and compressing the hollow coreless roll such that the axial cavity is substantially collapsed. The compressed hollow coreless rolls are readily re-formed into cylindrical shape. Space-saving packages of the rolls are overwrapped with tubular polymer film to provide a flexible reconfigurable package of a series of individually encased rolls. Volume reductions of about 10 to about 20 percent, about 14 percent to about 20 percent, 30 percent, 40 percent and more as compared with conventional products are realized.

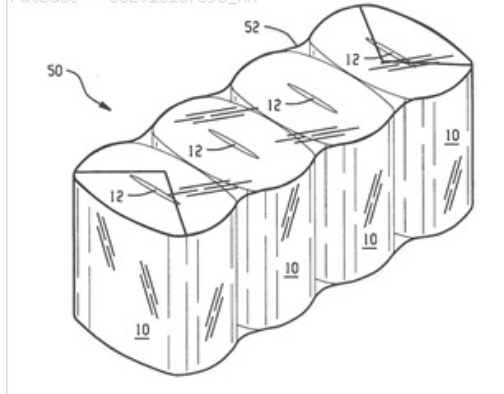
Classifications:

International (IPC 8-9): A47K10/16 B65B25/14 B65B63/02 B65D65/02 B65D71/00 B65D71/06 B65D77/02 B65D85/67 B65D85/671 B65H18/28 (Advanced/Invention)

CPC: B65D85/671 B65H18/28 B65B63/02 B65D65/02 B65D71/0092 B65D71/063 B65D77/02 B65D2571/00012 B65D2571/00037 B65D2571/00018

US: 206/386 206/391 242/160.4 53/438

PatBase - US2016137398_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2015350196 AA	20160526	AU20150350196	20151117
CA2965709 AA	20170424	CA20152965709	20151117
US2016137398 AA	20160519	US20150942866	20151116
WO16081429 A1	20160526	WO2015US61030	20151117

Priority:

US20140080822P 20141117 US20150942866 20151116 WO2015US61030 20151117

Probable Assignee: GEORGIA PACIFIC CONSUMER PRODUCTS LP

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

Assignee(s): LEMKE SARAH A ; MUELLER PAMALA S ; ROBINSON DOUGLAS E ; MUELLER PAMELA S ; DAUL THOMAS J

Inventor(s): (std): DAUL THOMAS J ; LEMKE SARAH A ; MUELLER PAMALA S ; MUELLER PAMELA S ; ROBINSON DOUGLAS E

Agent(s): PHILLIPS ORMONDE FITZPATRICK; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; BOZEK LAURA 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