

Search history

Search 1: FT=(Dispenser* and roll* and paper* and toilet* and combination* and waste*) (Results 627)
Search 2: (1) AND IPC=(A47 OR B65 OR B32) (Results 426)
Search 3: (FN=(48909051 OR 32783435 OR 31780592 OR 41774628 OR 48910707)) (Results 5)

1) Family number: 48909051 (WO11059423A1)

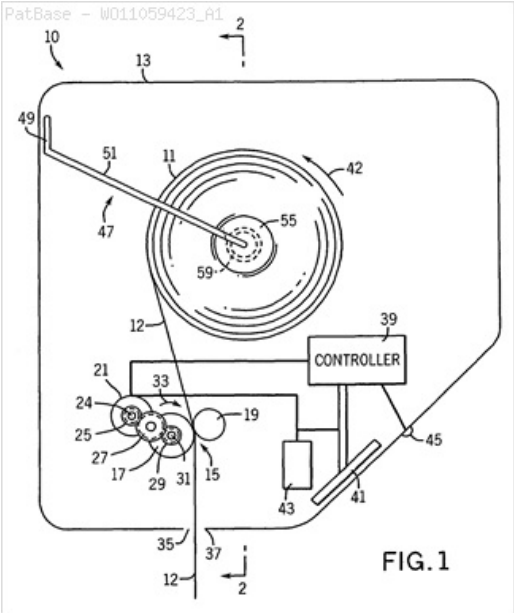
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Title: DISPENSER WITH LOW-MATERIAL SENSING SYSTEM

Abstract: Apparatus, systems and methods for dispensing sheet material (12) from a roll (11) which include a low-material sensing system. The low-material sensing system provides an indication when the sheet material (12) approaches depletion or is depleted so that the depleted sheet material roll (11) can be replaced with a full roll. The low-material sensing system determines that the sheet material (12) is depleted or near depletion by comparing the rotational speed of a sheet material roll (11) from which the sheet material (12) is unwound with the speed of the motor (21) which produces movement of the sheet material roll (12) when power is supplied to the motor (21). The sheet material roll (11) speed increases as material (12) is unwound while the motor (21) speed remains relatively constant. A low-material indication is provided when the comparison reaches a threshold representative of the low-material state.

Classifications:

International (IPC 8-9): A47K10/34 A47K10/36
B65H26/08 (Advanced/Invention)
CPC: A47K10/3612
European: A47K10/36



Family:

Publication number	Publication date	Application number	Application date
DE602009032533 D1	20160811	DE200960032533T	20091116
EP2501267 A1	20120926	EP20090756869	20091116
EP2501267 B1	20150729	EP20090756869	20091116
EP2501267 B1	20160629	EP20090756869	20091116
ES2584933 T3	20160930	ES20090756869T	20091116
WO11059423 A1	20110519	WO2009US06131	20091116

Priority:

EP20090756869 20091116 WO2009US06131 20091116

Probable Assignee: ALWIN MFG CO INC

Assignee(s): (std): ALWIN MFG CO INC ; WITT SIGURDUR S ; RODRIAN JAMES A

Assignee(s): ALWIN MFG CO INC GREEN BAY ; ALWIN MANUFACTURING CO ; ALWIN MANUFACTURING CO INC ; ALWIN MFG CO

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Agent(s): KROHER STROBEL RECHTS U PATENTANWALTE PARTMBB; CASPARY KARSTEN; PONTI ADELAIDA; MUNGER JOHN E 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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SYSTEM FOR RECOVERING AND RECYCLING UNUSED TOILET TISSUE AND METHOD OF USE AND MANUFACTURE THEREOF

Abstract: The present invention provides for a system for recovering and recycling unused toilet tissue from partially used toilet tissue rolls. In one embodiment, the system is comprised of (1) a hopper for the collection of at least one partially used roll of toilet tissue, the hopper positioning the partially used roll for de-spooling; and (2) a de-spooling and re-spooling apparatus coupled to the hopper, the apparatus de-spooling the toilet tissue from the core of the partially used roll of toilet tissue and re-spooling the toilet tissue onto a recycled toilet tissue roll.

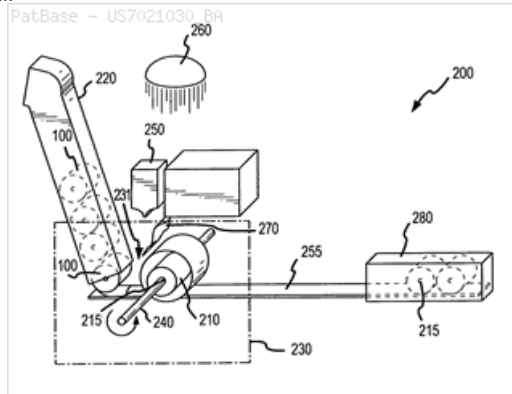
Classifications:

International (IPC 8-9): B65B11/00 (Advanced/Invention); B65B11/00 (Core/Invention)

CPC: B09B3/00 B65H19/10 B65H19/22 B65H2601/511

European: B09B3/00 B65H19/10 B65H19/22 L65H601/511 L65H651/010

US: 242/538 53/425 53/461



Family:

Publication number	Publication date	Application number	Application date
US7021030 BA	20060404	US20020268226	20021010

Priority:

US20020268226 20021010

Probable Assignee:

BURNS ARTHUR DALE

Assignee(s): (std):

BURNS ARTHUR DALE

Inventor(s): (std):

BURNS ARTHUR DALE

Title: DISPENSING PAPER-ROLL CORE SYSTEMS

Abstract: A paper-roll core that is a soluble, disposable carrier for cleaning and/or disinfecting chemicals. The paper-roll cores are toilet paper roll cores and paper towel roll cores and are rapidly soluble in water and may release cleansers, disinfectants, colors, etc., upon dissolving. Described are: methods of using, manufacturing, advertising, and distributing the paper-roll cores; and methods of advertising and distributing such paper-roll cores to children, who will particularly enjoy the novelty; and methods of modifying existing paper-roll core manufacturing equipment to manufacture soluble cleanser-dispensing paper-roll cores.

Classifications:

International (IPC 8-9): A47K10/16 B08B9/00 B29C47/00 B31C1/00 B65D65/38 B65D65/46 B65H75/10 B65H75/50 (Advanced/Invention); A47K10/00 B29C47/00 B65H75/04 B65H75/50 (Core/Invention)

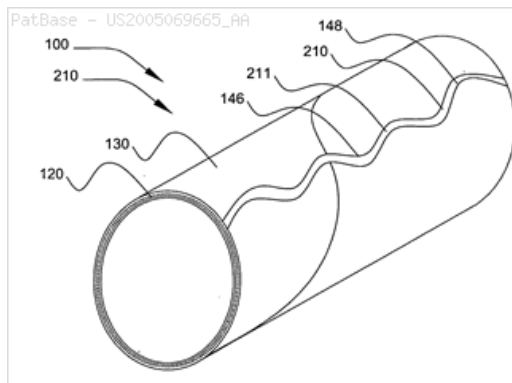
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CPC: B29K2995/0059 Y10T428/139 B65H75/50 B65H2407/40 A47K2010/322 A47K10/16 B65H75/10 B65H2701/522 B29C48/022 B29C48/09

European: A47K10/16 B65H75/10 B65H75/50 L29C47/00B

L29K995/00F14 L65H407/40 L65H701/522 L65H750/202

US: 134/22.1 134/22.100P 134/22.11 134/22.13 134/22.14 134/8 156/184 242/159 242/160.1 40/309 428/36.9 428/36.900P 510/109 510/191 510/446



Family:

Publication number	Publication date	Application number	Application date
CA2622029 AA	20080310	CA20062622029	20060908
EP1675716 A1	20060705	EP20040785032	20040924
EP1675716 A4	20070221	EP20040785032	20040924
EP1922277 A1	20080521	EP20060803259	20060908
US2005069665 AA	20050331	US20040948602	20040923
US2007048474 AA	20070301	US20060515254	20060901
US2011180110 AA	20110728	US20110029493	20110217
US2012055618 AA	20120308	US20110290517	20111107
US7951440 BB	20110531	US20040948602	20040923
US8075699 BB	20111213	US20110029493	20110217
WO05030475 A1	20050407	WO2004US31474	20040924
WO07030749 A1	20070315	WO2006US35138	20060908

Priority:

US20030506050P 20030926

US20040580925P 20040617

US20040948602 20040923

WO2004US31474 20040924

US20050715833P 20050909

US20050750904P 20051216

US20060515254 20060901

WO2006US35138 20060908

US20110029493 20110217

US20110290517 20111107

Probable Assignee: US INGENUITY LLC

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Assignee(s): BUTLER GEORGE H ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY

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Inventor(s): BUTLER GEORGE ; BUTLER GEORGE HIII ; BUTLER GEORGE HENRY

Agent(s): DIMOCK STRATTON LLP; WILSON LUE LLP; LHUILLIER FLORENT CHARLES; STONEMAN LAW OFFICES LTD; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; ANDREW A; PETER D

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

4) Family number: 41774628 (US2010075094A)

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Title: MANUFACTURING METHOD AND SYSTEM AND ASSOCIATED ROLLS OF SHEETS WITH ALTERNATING CUTS AND PRE-CUTS

Abstract: The present invention relates to a roll made of a succession of single-use absorbing paper sheets (1) separated along at least one side thereof, perpendicular to the unwinding direction of the roll, by parallel pre-cuts (2), the sheets (1) being further separated by cuts (3) extending along at least 80 percent of the cut side of the sheets, and the cuts and pre-cuts alternating in the roll unwinding direction. The invention also relates to a method for producing such rolls and to the related manufacturing device.

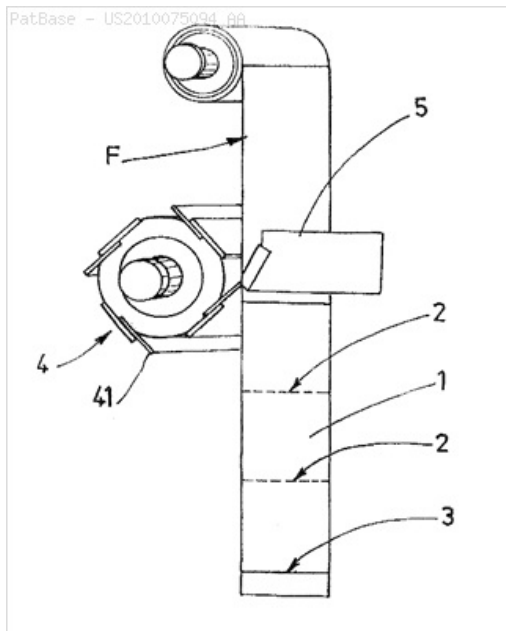
Classifications:

International (IPC 8-9): A47K A47K10/16 A47K10/32 A47K10/34 A47K10/36 A47K10/38 A47K10/40 A47K10/42 A47K10/44 B26D1/62 B31B49/00 B31B50/00 B32B3/24 B65H B65H16/00 B65H16/02 B65H20/02 B65H23/182 B65H35/04 B65H35/10 B65H37/06 B65H45/12 B65H45/14 B65H45/16 B65H45/18 B65H45/28 D21F7/00 (Advanced/Invention); A47K10/00 B26D1/00 B65H16/00 (Core/Invention); A47K B65H (Subclass/Invention)

CPC: B31D1/0031 B31D1/04 A47K10/3625 A47K10/26 A47K10/3687 A47K10/426 A47K2010/3668 G07F11/045 B65H31/02 B65H31/24 B65H31/3009 B65H33/00 B65H33/14 B65H2301/4212 B65H2301/4213 B65H2405/11152 B65H2405/332 B65H2511/30 A47K10/3656 A47K10/16 Y10T83/0515 Y10T83/483 Y10T428/15 B65H35/10 A47K10/3612 B65H45/18 A47K10/42 B65H16/005 B65H37/06 B65H45/142 B65H45/28 B65H2301/41306 B65H2701/121 B65H2701/1924

European: A47K10/16 A47K10/42 B31D1/00F B31D1/04 B65H45/14D B65H45/18 L65H701/1924

US: 221/1 221/30 221/30P 221/34 221/34S 221/40 428/43 428/43P 493/369 83/343 83/343S 83/37 83/37S



Family:

Publication number	Publication date	Application number	Application date
AU2013216894 AA	20130815	AU20130216894	20130208
AU2013216894 AA	20140821	AU20130216894	20130208
AU2013216894 BB	20171019	AU20130216894	20130208
AU2017279726 AA	20180125	AU20170279726	20171221
AU2017279726 BB	20181018	AU20170279726	20171221
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BR112014019567 A8	20170711	BR20141119567	20130208
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CA2667133 C	20150127	CA20072667133	20071022
CA2803402 AA	20130726	CA20132803402	20130123
CA2864324 AA	20140808	CA20132864324	20130208
CA2971442 AA	20170616	CA20152971442	20151216
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CN104105434 B	20170815	CN201380008541	20130208
CN107212794 A	20170929	CN201710614694	20130208
CN107212794 B	20191029	CN201710614694	20130208
EA019133 B1	20140130	EA20090000561	20071022
EA2009000561 A1	20091230	EA20090000561	20071022
EP2094137 A2	20090902	EP20070866414	20071022
EP2811882 A1	20141217	EP20130746627	20130208
EP2811882 A4	20160413	EP20130746627	20130208
EP3232884 A1	20171025	EP20150870956	20151216
EP3232884 A4	20181212	EP20150870956	20151216
FR2907654 A1	20080502	FR20060009546	20061031
FR2907654 B1	20100129	FR20060009546	20061031

HK1203042 A1	20151016	HK20150103571	20150413
HK1203042 B	20180914	HK20150103571	20150413
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HK1246121 A1	20180907	HK20180105348	20180424
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JP2015511839 T2	20150423	JP20140556723T	20130208
JP2018047370 A2	20180329	JP20180000210	20180104
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MX2017008164 A1	20180306	MX20170008164	20151216
US2010075094 AA	20100325	US20070513004	20071022
US2012138625 AA	20120607	US20120370511	20120210
US2012237711 AA	20120920	US20120359254	20120126
US2013040089 AA	20130214	US20120632501	20121001
US2015102048 AA	20150416	US20140576534	20141219
US2019335962 AA	20191107	US20190512840	20190716
US8298640 BB	20121030	US20070513004	20071022
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US8802211 BB	20140812	US20120359254	20120126
US10383489 BB	20190820	US20140576534	20141219
WO08056042 A2	20080515	WO2007FR01737	20071022
WO08056042 A3	20081218	WO2007FR01737	20071022
WO13119940 A1	20130815	WO2013US25334	20130208
WO16100462 A1	20160623	WO2015US66015	20151216

Priority:

FR20060009546	20061031	WO2007FR01737	20071022	WO2007FR75094	20071022
US20090513004	20090430	US20120359254	20120126	US20120370511	20120210
US20120632501	20121001	CA20132803402	20130123	AU20130216894	20130208
CN201380008541	20130208	JP20140556723T	20130208	WO2013US25334	20130208
US20140576534	20141219	HK20150103571	20150413	WO2015US66015	20151216
AU20170279726	20171221	US20190512840	20190716		

Probable Assignee: GEORGIA PACIFIC CONSUMER PRODUCTS LP

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Inventor(s):	JULIEN MARIETTA TONDIN ; REMY RUPPEL ; PIERRE LAURENT ; GILLES CATTACIN ; NEVEU JEAN LOUISFR ; CATTACIN GILLESFR ; ENGGASSER YVESFR ; LATHAM STEPHEN AUS ; CASE ABBY CUS ; KALLSEN KENT JUS ; GENNRICH DAVID JUS ; STRAHM CHRISTOPHER TUS ; ANN M ANDRES ; JEAN LOUIS NEVEU ; YVES ENGGASSER
Agent(s):	PHILLIPS ORMONDE FITZPATRICK; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; BLAKE CASSELS AND GRAYDON LLP; CORTIER SOPHIE; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GEORGIA PACIFIC FRANCE; CLT PATENT AND TRADEMARK HK LTD; CHINAHONGKONG IP LTD; YKI PATENT ATTORNEYS; YKI INTELLECTUAL PROPERTY ATTORNEYS; GEORGIA-PACIFIC LLC; GEORGIA PACIFIC LLC; WILLIAM W; THOMAS NADINE; LETSON WILLIAM W 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

5) Family number: 48910707 (US2011114782A)

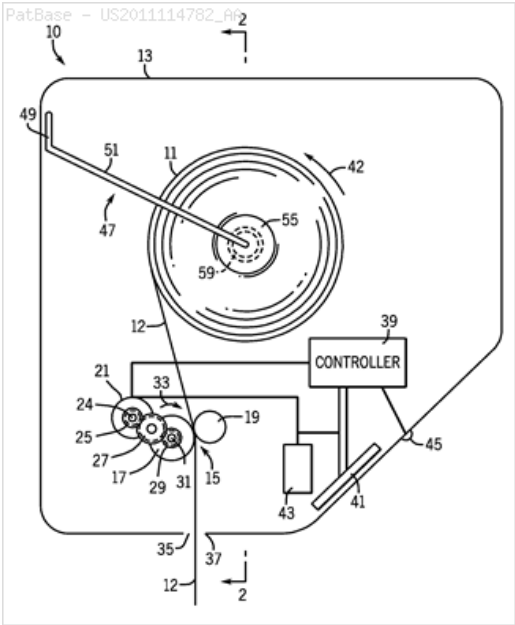
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Title: DISPENSER WITH LOW-MATERIAL SENSING SYSTEM

Abstract: Apparatus, systems and methods for dispensing sheet material from a roll which include a low-material sensing system. The low-material sensing system provides an indication when the sheet material approaches depletion or is depleted so that the depleted sheet material roll can be replaced with a full roll. The low-material sensing system determines that the sheet material is depleted or near depletion by comparing the rotational speed of a sheet material roll from which the sheet material is unwound with the speed of the motor which produces movement of the sheet material roll when power is supplied to the motor. The sheet material roll speed increases as material is unwound while the motor speed remains relatively constant. A low-material indication is provided when the comparison reaches a threshold representative of the low-material state.

Classifications:

International (IPC 8-9): B65H16/00 B65H26/00 B65H43/00
B65H43/08 B65H63/08 G06F17/00 G06F19/00
G08B21/00 (Advanced/Invention)
CPC: A47K2010/3668 A47K10/3845 A47K10/36 A47K10/3612
A47K10/3625
European: A47K10/36



Family:

Publication number	Publication date	Application number	Application date
US2011114782 AA	20110519	US20090619486	20091116
US8807475 BB	20140819	US20090619486	20091116

Priority:

US20090619486 20091116

Probable Assignee: ALWIN MFG CO INC

Assignee(s): (std): ALWIN MFG CO INC ; WITT SIGURDUR S ; RODRIAN JAMES A

Assignee(s): ALWIN MANUFACTURING CO ; ALWIN MANUFACTURING CO INC ; ALWIN MFG CO

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