

4 Documents

Publication numbers	Title	Current assignees
WO201999556 A1	Toilet system and components thereof	TIDYHUT
EP1604904 A1	Combination shipping container and dispenser	GEORGIA PACIFIC CORRUGATED
US20060214048 A1	Paper towel, tissue and film-product hanging disposable dispenser	SUCHER ADAM J
US4465733 A	Dispenser for toilet materials	SUMNER B CARMICHAEL

Toilet system and components thereof

WO201999556 A1

Current assignees

TIDYHUT*

Inventors

NELSON ERIK

Priority data including date

2017US-62586010 2017-11-14

2018US-16191164 2018-11-14

IPC - International classification

A47K-011/00* A47K-011/02

CPC - Cooperative classification

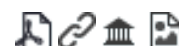
A47K-011/02* A47K-011/02*/6 E04H-001/12/16

Family[WO2019/099556](#)

A1 2019-05-23

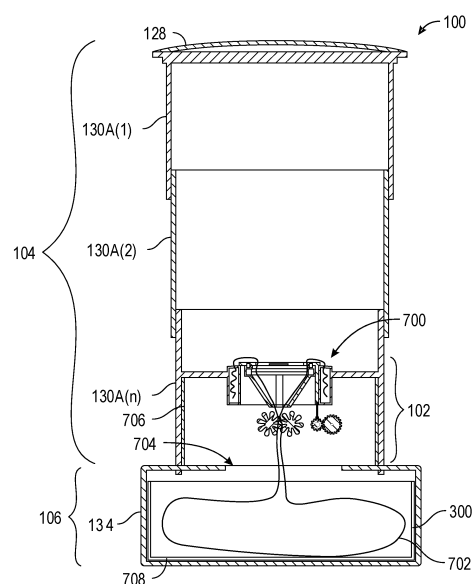
[US20190142231](#)

A1 2019-05-16



(WO2019/099556)

A toilet system includes a waterless waste disposal system. A waste liner advancement mechanism is configured to: cover a toilet seat with a liner, capture waste expelled from a user, and mechanically advance the liner into a waste storage area so as to place a fresh liner over the toilet seat after capturing the waste.



Latest standardized assignees - inventors removed

TIDYHUT

Publication numbers

WO2019/099556

US20190142231

Abstract

(WO2019/099556)

A toilet system includes a waterless waste disposal system. A waste liner advancement mechanism is configured to: cover a toilet seat with a liner, capture waste expelled from a user, and mechanically advance the liner into a waste storage area so as to place a fresh liner over the toilet seat after capturing the waste.

Inventors

NELSON ERIK

Title

Toilet system and components thereof

Publication numbers with kind code & date

WO2019/099556	A1	2019-05-23	WO201999556				
US20190142231	A1	2019-05-16	US20190142231				

Current assignees

TIDYHUT

Original document**Earliest application date**

2018-11-14

TI

Toilet system and components thereof

Combination shipping container and dispenser
EP1604904 A1

Current assignees

ASHLEY DREW & NORTHERN RAILWAY
 BLUE RAPIDS RAILWAY
 BLUEYELLOW
 BROWN BOARD HOLDING
 BRUNSWICK CELLULOSE
 BRUNSWICK PULP LAND
 CECORR
 COLOR BOX
 CP & P
 ENCADRIA STAFFING SOLUTIONS
 FORT JAMES
 FORT JAMES CAMAS
 FORT JAMES GREEN BAY
 FORT JAMES INTERNATIONAL
 FORT JAMES MAINE
 FORT JAMES NORTHWEST
 FORT JAMES OPERATING
 G P OREGON
 GEORGIA PACIFIC
 GEORGIA PACIFIC CHILDCARE CENTER
 GEORGIA PACIFIC CORRUGATED*
 GEORGIA PACIFIC GYPSUM
 GEORGIA PACIFIC INVESTMENT
 GEORGIA PACIFIC RESINS
 GLOSTER SOUTHERN RAILROAD
 GREAT NORTHERN NEKOOSA
 GREAT SOUTHERN PAPER
 KMHC
 KOCH CELLULOSE
 KOCH CELLULOSE AMERICA MARKETING
 KOCH FOREST PRODUCTS HOLDING
 KOCH RENEWABLE RESOURCES
 KOCH WORLDWIDE INVESTMENTS
 LEAF RIVER CELLULOSE
 LEAF RIVER FOREST PRODUCTS
 MILLENNIUM PACKAGING SOLUTIONS
 NEKOOSA PACKAGING
 NEKOOSA PAPERS
 OLD AUGUSTA RAILROAD
 OLD PINE BELT RAILROAD
 PHOENIX ATHLETIC CLUB
 PRIM
 SOUTHWEST MILLWORK & SPECIALTIES
 TOMAHAWK LAND
 WEST GEORGIA MANUFACTURING
 XRS

Inventors**IPC - International classification**

A47F-001/04*	B65D-005/16*	B65D-005/42
B65D-005/54	B65D-005/70	B65D-005/72
B65D-017/28	B65D-071/00	B65D-071/36
B65D-085/00		

CPC - Cooperative classification

B65D-071/36*	B65D-2571/00141	B65D-2571/00438
B65D-2571/0058	B65D-2571/0066	B65D-2571/00728

PCL - US patent classification

PCLO:	206389000*	221305000*	
PCLX:	221302000	221303000	221306000
229121000	229122000	229122100	229123200
229123300			

SMITH TRACY C

Priority data including date

2004US-60578132 2004-06-09

2005US-11143697 2005-06-02

2005US-60641443 2005-01-06

2008US-12193903 2008-08-19

Family[US7648048](#)

B2 2010-01-19

[US20080302864](#)

A1 2008-12-11

[CA2509438](#)

C 2008-12-02

[MXPA05006104](#)

A 2006-05-19

[US20050274638](#)

A1 2005-12-15

[EP1604904](#)

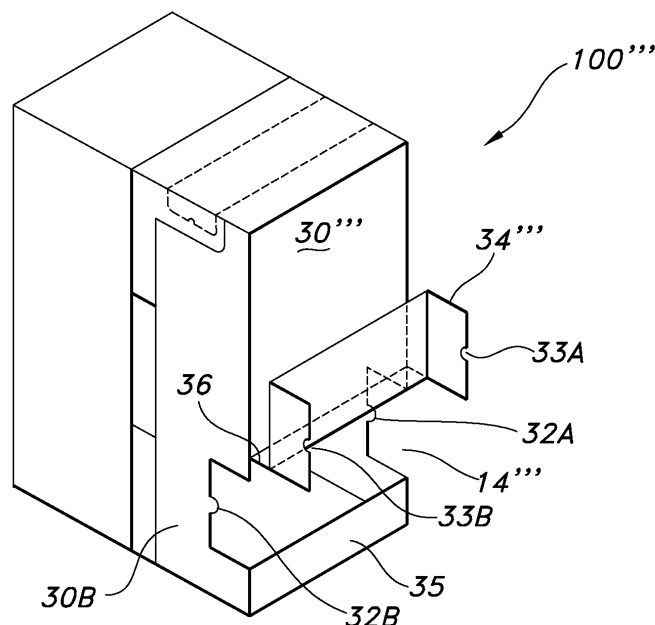
A1 2005-12-14

[CA2509438](#)

A1 2005-12-09

(EP1604904)

A combination shipping container and dispenser is described herein. A regular slotted container (RSC) is modified to include at least a first and second dispensing feature (12,14) such that the RSC can dispense product when it is configured in either a horizontal or in a vertical orientation.



Latest standardized assignees - inventors removed

GEORGIA PACIFIC CORRUGATED

Publication numbers

US7648048

US20080302864

CA2509438

MXPA05006104

US20050274638

EP1604904

CA2509438

Abstract

(EP1604904)

A combination shipping container and dispenser is described herein. A regular slotted container (RSC) is modified to include at least a first and second dispensing feature (12,14) such that the RSC can dispense product when it is configured in either a horizontal or in a vertical orientation.

Inventors

SMITH TRACY C

Title

Combination shipping container and dispenser

Publication numbers with kind code & date

US7648048	B2	2010-01-19	US7648048
US20080302864	A1	2008-12-11	US20080302864
CA2509438	C	2008-12-02	CA2509438
MXPA05006104	A	2006-05-19	MX2005PA006104
US20050274638	A1	2005-12-15	US20050274638
EP1604904	A1	2005-12-14	EP1604904
CA2509438	A1	2005-12-09	CA2509438

**Current assignees**

ASHLEY DREW & NORTHERN RAILWAY

BLUE RAPIDS RAILWAY

BLUEYELLOW

BROWN BOARD HOLDING

BRUNSWICK CELLULOSE

BRUNSWICK PULP LAND

CECORR

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FORT JAMES

FORT JAMES CAMAS

FORT JAMES GREEN BAY

FORT JAMES INTERNATIONAL

FORT JAMES MAINE

FORT JAMES NORTHWEST

FORT JAMES OPERATING

G P OREGON

GEORGIA PACIFIC

GEORGIA PACIFIC CHILDCARE CENTER

GEORGIA PACIFIC CORRUGATED

GEORGIA PACIFIC GYPSUM
GEORGIA PACIFIC INVESTMENT
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GREAT NORTHERN NEKOOSA
GREAT SOUTHERN PAPER
KMHC
KOCH CELLULOSE
KOCH CELLULOSE AMERICA MARKETING
KOCH FOREST PRODUCTS HOLDING
KOCH RENEWABLE RESOURCES
KOCH WORLDWIDE INVESTMENTS
LEAF RIVER CELLULOSE
LEAF RIVER FOREST PRODUCTS
MILLENNIUM PACKAGING SOLUTIONS
NEKOOSA PACKAGING
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PHOENIX ATHLETIC CLUB
PRIM
SOUTHWEST MILLWORK & SPECIALTIES
TOMAHAWK LAND
WEST GEORGIA MANUFACTURING
XRS

Original document**Earliest application date**

2005-06-02

TI

Combination shipping container and dispenser

Paper towel, tissue and film-product hanging disposable dispenser

US20060214048 A1

Current assignees

SUCHER ADAM J

Inventors

SUCHER ADAM J

Priority data including date

2005US-11088632 2005-03-24

IPC - International classification

A47K-010/24* B65H-016/06

CPC - Cooperative classification

A47K-010/32 B65H-016/00/5 B65H-016/06*

PCL - US patent classification

PCLO: 242598500*

PCLX: 221045000

Family

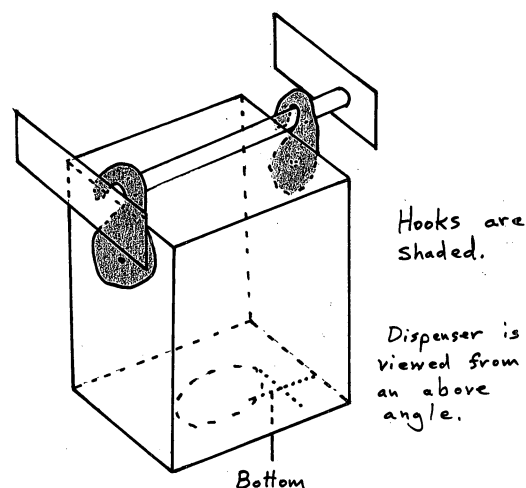
[US20060214048](#)

A1 2006-09-28



(US20060214048)

The invention is a concept for disposable containers for dispensing tissues, paper towels and film products. The containers are equipped with means to hang or attach them to hanging bars, hooks and/or nails protruding from a surface, for access to the contained product at a location of the user's greatest convenience. The invention design allows for the container to be easily replaced upon exhaustion of product. The invention design provides for the possibility of decorative design of the visible container, whereas some of the current products (such as toilet paper and paper towels) are greatly limited in potential design. The invention also limits the amount of rolled product that would be wasted, since (in reference to the toilet and facial tissues and paper towels, and even the rolled products where the product has been pre-portioned) the product will not naturally unroll.



Toilet Tissue Dispenser in Use
- Hang Bar Extended from Wall -

* Drawing does not depict adjustable length hooks.

Publication numbers

US20060214048

Abstract

(US20060214048)

The invention is a concept for disposable containers for dispensing tissues, paper towels and film products. The containers are equipped with means to hang or attach them to hanging bars, hooks and/or nails protruding from a surface, for access to the contained product at a location of the user's greatest convenience. The invention design allows for the container to be easily replaced upon exhaustion of product. The invention design provides for the possibility of decorative design of the visible container, whereas some of the current products (such as toilet paper and paper towels) are greatly limited in potential design. The invention also limits the amount of rolled product that would be wasted, since (in reference to the toilet and facial tissues and paper towels, and even the rolled products where the product has been pre-portioned) the product will not naturally unroll.

Inventors

SUCHER ADAM J

Title

Paper towel, tissue and film-product hanging disposable dispenser

Publication numbers with kind code & date[US20060214048](#)

A1

2006-09-28

US20060214048

**Current assignees**

SUCHER ADAM J

Original document**Earliest application date**

2005-03-24

TI

Paper towel, tissue and film-product hanging disposable dispenser

Dispenser for toilet materials

US4465733 A

Current assignees

SUMNER B CARMICHAEL

Inventors

SUMNER B CARMICHAEL

Priority data including date

1981US-06262934 1981-05-12

1983US-06534653 1983-09-22

IPC - International classification

A47K-017/00* B32B-005/26

CPC - Cooperative classification

A47K-017/00 B32B-005/02/2 B32B-005/26*

Y10T-442/647 Y10T-442/673 Y10T-442/699

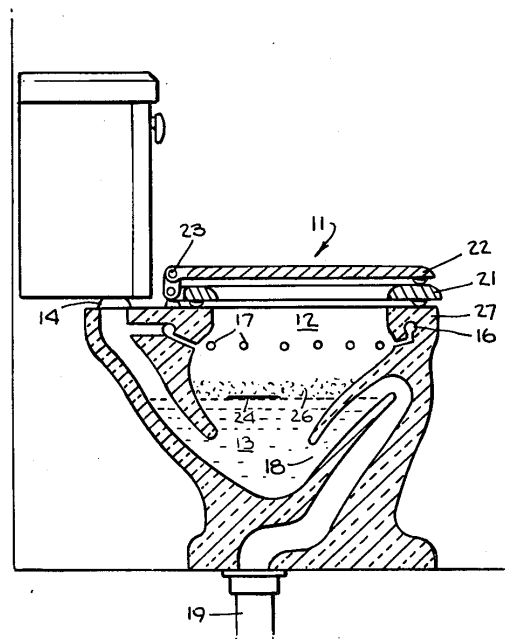
PCL - US patent classification**PCLO:** 442370000***PCLX:** 051294000 442393000 442417000**Family**[US4465733](#)

A 1984-08-14



(US4465733)

The present invention provides for the combination of a fibrous carrier which is readily degradable when wet, and foam-forming materials, that produce a protective layer of fibers and foam on the surface of the water contained in a toilet, so as to inhibit splash and noise associated with the deposition of waste into the toilet bowl.



Publication numbers

US4465733

Abstract

(US4465733)

The present invention provides for the combination of a fibrous carrier which is readily degradable when wet, and foam-forming materials, that produce a protective layer of fibers and foam on the surface of the water contained in a toilet, so as to inhibit splash and noise associated with the deposition of waste into the toilet bowl.

Inventors

SUMNER B CARMICHAEL

Title

Dispenser for toilet materials

Publication numbers with kind code & date

US4465733	A	1984-08-14	US4465733
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**Current assignees**

SUMNER B CARMICHAEL

Original document**Earliest application date**

1983-09-22

TI

Dispenser for toilet materials