

Search history

Search CPC=(Y02A20/412 or G08B21/0484) (Results 954)

1:

Search 1 NOT bowl (Results 675)

2:

Search 2 AND (FT = controller OR process* OR comput*) (Results 170)

3:

Search 3 AND (FT = sensor OR sense# OR detect* OR measure#) (Results 128)

4:

Search 4 AND (FT = (smell OR odour) NEAR (seal* OR block* OR retain*)) (Results 0)

5:

Search 3 AND (FT = sensor OR sense# OR detect* OR measure#) AND CPC=(Y02A20/412) (Results 13)

6:

Search 1 NOT (tank OR cistern OR reservoir) (Results 255)

7:

Search 7 AND (FT = controller OR process* OR comput*) (Results 124)

8:

Search 8 AND (FT = sensor OR sense# OR detect* OR measure#) (Results 109)

9:

Search 8 AND (FT = sensor OR sense# OR detect* OR measure#) AND CPC=(Y02A20/412) (Results 4)

10:

Search IC=(E03D3/*) (Results 5242)

11:

Search 3 AND (FT = controller OR process* OR comput*) (Results 170)

12:

Search 11 AND (FT = controller OR process* OR comput*) (Results 790)

13:

Search 13 AND (FT = sensor OR sense# OR detect* OR measure#) (Results 365)

14:

Search 14 AND (FT = (smell OR odour) NEAR (seal* OR block* OR retain*)) (Results 2)

15:

Search 14 NOT (cistern OR tank OR deposit OR reservoir) (Results 144)

16:

Search 14 NOT (cistern OR tank OR deposit OR reservoir) AND CPC=(F16K31/02 OR E03D3/02) (Results 25)

17:

Search fn=(66150282:100 or 53194945:40 or 51146719:40 or 50142319:40 or 50099173:40 or 48234517:40 or 47449683:40 or 45441056:40 or 43630987:40 or 43507082:40 or 43228305:40 or 42769529:40 or 41730211:40 or 41518190:40 or 33510375:40 or 33510356:40 or 33510353:40 or 33507672:40 or 33507648:40 or 33507639:40 or 33506039:40 or 33505866:40 or 33505784:40 or 33505723:40 or 33505715:40 or 31959550:40 or 8624583:40 or 71410111:30 or 71311192:30 or 70873407:30 or 70802203:30 or 70687385:30 or 70581861:30 or 70541221:30 or 70393152:30 or 70283600:30 or 70266268:30 or 70205686:30 or 70049134:30 or 69991873:30 or 69926214:30 or 69923036:30 or 69922935:30 or 69902807:30 or 69877980:30 or 69737437:30 or 69737436:30 or 69685363:30 or 69532343:30 or 69377490:30 or 69377471:30 or 69377464:30 or 68878451:30 or 68817577:30 or 68794753:30 or 68794365:30 or 68786682:30 or 68698228:30 or 68423852:30 or 68423851:30 or 68006510:30 or 67744797:30 or 67744795:30 or 67721268:30 or 67684057:30 or 67617539:30 or 67423542:30 or 67316613:30 or 67062361:30 or 67031796:30 or 66842348:30 or 66809561:30 or 66692158:30 or 66647061:30 or 66191301:30 or 66028180:30 or 65947570:30 or 65909754:30 or 65908340:30 or 65532134:30 or 65316542:30 or 65232810:30 or 65059738:30 or 64520445:30 or 64435331:30 or 64280849:30 or 64128859:30 or 63956242:30 or 63947953:30 or 63855436:30 or 63665231:30 or 63579618:30 or 63486117:30 or 63474339:30 or 63371440:30 or 63190661:30 or 62960714:30 or 62952390:30 or 62899490:30 or 62643655:30) (Results 100)

Search PN = US6467101 (Results 1)

19:

Search fn=(52147249 or 52147249 or 48244856 or 32634432 or 60596370 or 62531952 or 70557731 or 41630104 or 34116414 or 32134308 or 41630104 or 34576527 or 42016348 or 43648726 or 44150683 or 52793937 or 30773290 or 31142090 or 49367918 or 34489618 or 42016348 or 43648726 or 41630104 or 34576527 or 56734677 or 34576527 or 43679377 or 44150683 or 69818670 or 43355378 or 52793937 or 63906990 or 7679023 or 1076181 or 16559002 or 12007053 or 11294283 or 12299880) (Results 29)

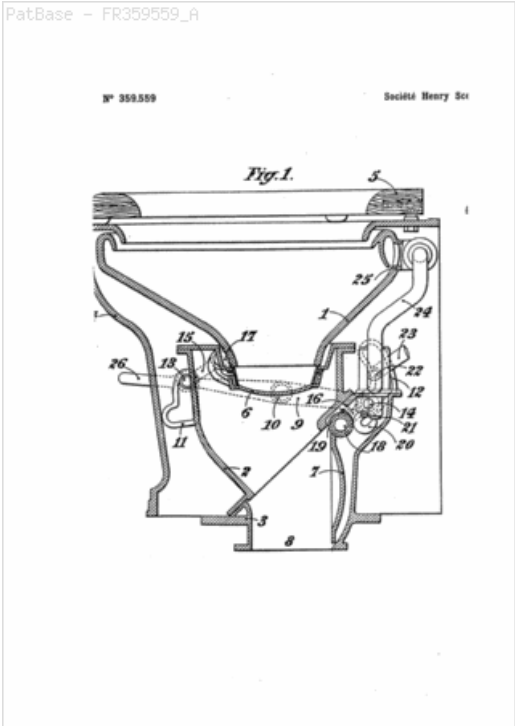
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Search RF=(NC20180002525) (Results 10)

22:

Title: APPAREIL DE CHASSE A DOUBLE CLAPET POUR BATEAUX HUNTING EQUIPMENT HAS DOUBLE VALVE FOR BOATS
(Machine translation)

Classifications:
International (IPC 8-9): B63B29/00 E03D11/10 E03D5/09 (Advanced/Invention); B63B29/00 E03D11/02 E03D5/00 (Core/Invention)
International (IPC 1-7): B63B29/14 E03D11/10 E03D5/09
CPC: E03D11/10 B63B29/14 B63B29/16 B63J4/006 E03D5/09
European: B63B29/00 E03D11/10 E03D5/09 L63B705/00



Family:

Publication number	Publication date	Application number	Application date
FR359559 A	19060330		00000000

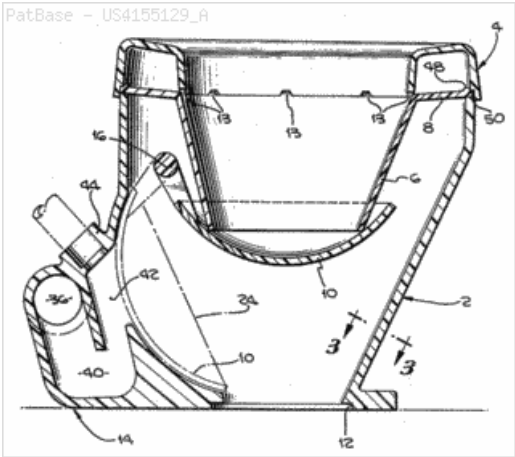
Probable Assignee: HENRY SCELLIER AND CIE SOC
Assignee(s): (std): HENRY SCELLIER AND CIE SOC
Assignee(s): SOCIETE HENRY SCELLIER AND CIE

Title: Pan type bottom discharge toilet

Abstract: A bottom discharge toilet in which a trap is formed integrally with the toilet base. While the trap plays no role in the flushing action of the toilet itself, it is adapted to receive the discharge from other plumbing fixtures and thereby to serve as a single, common trap for such fixtures. By directing the received discharge through the interior of the toilet, the trap also assists in keeping the toilet outlet line clear. To further reduce the overall cost, the toilet is formed in several interlocking pieces as a kit which can be conveniently shipped and handled, and then assembled on-site. A novel water inlet valve operates in cooperation with a flushing mechanism to clear the toilet and refill the bowl with a minimum of water consumption.

Classifications:

International (IPC 8-9): E03D11/10 E03D3/02
E03D5/012 (Advanced/Invention);
E03D11/02 E03D3/00 E03D5/00 (Core/Invention)
International (IPC 1-7): E03D11/02 E03D11/18
CPC: E03D3/02 E03D5/012 E03D11/10
European: E03D11/10 E03D3/02 E03D5/012
US: 4/424 4/429 4/440 4/442



Family:

Publication number	Publication date	Application number	Application date
US4155129 A	19790522	US19780889259	19780323

Priority:

US19780889259 19780323

Probable Assignee:

RUSSELL HAROLD J

Assignee(s): (std):

RUSSELL HAROLD J

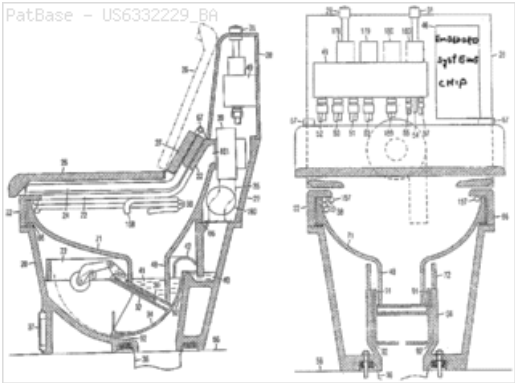
Inventor(s): (std):

RUSSELL HAROLD J

Title: Automated flap and cup cleaner water-saving toilet

Abstract: A gravity drop-toilet uses main water via electronically programmed valves to rinse separate areas of a bowl (71) in sequence via appropriately located and pointing jet orifices (136, 138,140) with about 70 percent less water than siphon toilets. Electronically timed valve (180) hydraulically causes a pair of bellows (110) to compress and expand and thereby reversibly pivot a mechanical linkage to retain waste in the bowl and drop waste via a vertical waste passageway into a sewer pipe (30). The linkage comprises a transfer arm (118) that pivots a rotating arm of a cup (128) and flap actuating arm (104) to pivot a springy plate (78) upward against a dimple (80) formed on under the side of the flap (30) which thereby aligns itself against the bottom edge (74) of the bowl (71). A urine version of this mechanism uses apertures (174, 175) that they enclose combine to center defecating sitters over a cylinder outlet (48) of the bowl. These parts and apertures prevent waste from smearing the seat, rim, and back of the bowl. Water valves (178) and (183) respectively respond to hand plungers 29 and 31 so that the toilet also works during an electric power outage. The toilet is programmable and more user friendly.

Classifications:
International (IPC 8-9): E03D11/08 E03D5/08 E03D9/05 (Advanced/Invention)
International (IPC 1-7): E03D11/10
CPC: E03D5/08 E03D9/05 E03D11/08
European: E03D11/08 E03D5/08 E03D9/05
US: 4/325 4/326 4/438 4/440 4/441 4/442



Family:

Publication number	Publication date	Application number	Application date
US6332229 BA	20011225	US20010789897	20010220

Priority:

US20000737427 20001213 US20010789897 20010220

Probable Assignee: O MALLEY GRACE

Assignee(s): (std): ZAPPEL JOSEPH

Assignee(s): MARYAN CONOR O MALLEY ; O MALLEY CONOR ; MARYAN CONOR O'MALLEY ; MARYAN CONOR O'MALLEY ; O MALLEY GRACE ; MARY AND CONOR O MALLEY TRUST DATED ; MARY AND CONOR O MALLEY TRUST DATED 03 18 2004 ; MARY AND CONOR O MALLEY TRUST DATED 03182004 ; MARY AND CONOR O'MALLEY TRUST DATED ; MARY AND CONOR O'MALLEY TRUST DATED ; MARY AND CONOR O'MALLEY TRUST DATED 03 18 2004 ; MARY AND CONOR O'MALLEY TRUST DATED 03182004

Inventor(s): (std): O MALLEY CONOR ; ZAPPEL JOSEPH

Title: TOILET DISCHARGE VALVE

Abstract: Disclosed are valve assemblies for controlling flow from a toilet bowl to a trap way. In one form there is a cartridge unit in which a pivotable gate is mounted. The gate can swing from a blocking/closing position to a position in which it is essentially hidden away in a recess out of the main flow path. The surface of the gate facing the bowl is inwardly dished to further facilitate flow optimization.

Classifications:

International (IPC 8-9): E03D11/02 E03D11/10 (Advanced/Invention); E03D11/02 E03D11/10 (Core/Invention)

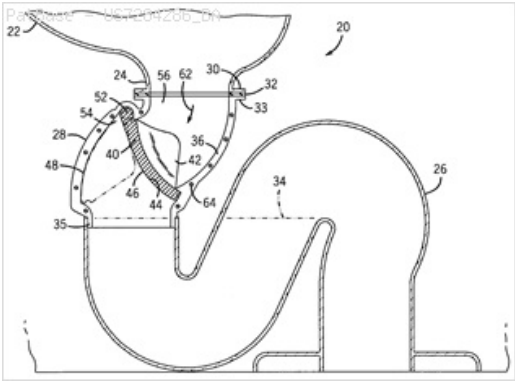
International (IPC 1-7): E03D11/10

CPC: E03D11/10

European: E03D11/10

US: 4/438 4/441 44/38 44/41

Locarno class: 44/41



Family:

Publication number	Publication date	Application number	Application date
AU2007300605 AA	20080403	AU20070300605	20070913
BRPI0717062 A2	20131015	BR2007PI17062	20070913
CA2664231 AA	20090323	CA20072664231	20070913
CN101529024 A	20090909	CN200780039514	20070913
CN101529024 B	20130710	CN200780039514	20070913
EP2066848 A1	20090610	EP20070838161	20070913
IN00594MN2009 A	20090522	IN2009MN00594	20090325
JP2010504450 T2	20100212	JP20090529192T	20070913
MA31136 B1	20100201	MA20090031777	20090410
MX2009003134 A1	20090406	MX20090003134	20070913
NZ575730 A	20120224	NZ20070575730	20070913
RU2009115197 A	20101027	RU20090115197	20070913
RU2444592 C2	20120310	RU20090115197	20070913
TH37426 B	20131007	TH20071004737	20070920
TH94407 A	20090313	TH20071004737	20070920
TW200821435 A	20080516	TW20070135105	20070920
US7284286 BA	20071023	US20060525556	20060922
WO08039305 A1	20080403	WO2007US19906	20070913

Priority:

US20060525556 20060922 WO2007US19906 20070913

Probable Assignee: KOHLER CO

Assignee(s): (std): JORSCH THOMAS C ; KOHLER CO ; KOHLER CO LTD ; KOPPLIN CHARLES R ; MAROTZ BENJAMIN W ; KOHLER KO

Assignee(s): KOHLER COMPANY

Inventor(s): (std): MAROTS BENDZHAMIN U ; KOPPLIN CHARLES R ; KOPPLIN CHARL Z R ; JORSCH THOMAS C ; MAROTZ BENJAMIN W

Inventor(s): THOMAS C JORSCH ; BENJAMIN W MAROTZ ; CHARLES R KOPPLIN ; KOPPLIN CHARL'Z R.

Agent(s): GRIFFITH HACK; BCF LLP; QUARLES AND BRADY; STREIT RICHARD J

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

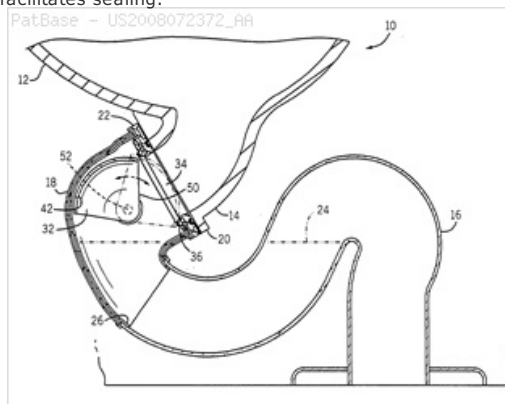
Title: TOILET BOWL DISCHARGE VALVE ASSEMBLY

Abstract: Disclosed are trap valve assemblies for controlling flow from a toilet bowl to a trap way. In one form there is a cartridge unit positionable immediately below a toilet bowl discharge outlet. It has a pivotable gate in a form of a spherical segment. The gate has an eccentric pivoting motion so that it can swing from an open position to a blocking/closing position in which it fully contacts a sealing gasket. The spherical segment has a leading edge which is approximately between +40 degrees and -40 degrees from vertical when the gate is in an open position, to minimize the energy required to close the gate. In another form a ball and socket connection to the gate valve facilitates sealing.

Classifications:**International (IPC 8-9):** E03D11/02 E03D11/10 E03D3/00

E03D5/012 E03D5/02 E03D9/05 (Advanced/Invention);

E03D11/02 E03D5/00 E03D9/04 (Core/Invention)

International (IPC 1-7): E03D11/02 E03D11/10**CPC:** E03D11/10**European:** E03D11/10**US:** 4/434 4/434P 4/438 4/440 44/34**Family:**

Publication number	Publication date	Application number	Application date
AU2007300607 AA	20080403	AU20070300607	20070913
BRPI0717061 A2	20131015	BR2007PI17061	20070913
CA2664092 AA	20090320	CA20072664092	20070913
CN102089480 A	20110608	CN200780039583	20070913
CN102089480 B	20151125	CN200780039583	20070913
EP2195493 A2	20100616	EP20070838169	20070913
IN00593MN2009 A	20090522	IN2009MN00593	20090325
IN298185 B	20180629	IN2009MN00593	20090325
JP2010510409 T2	20100402	JP20090529194T	20070913
JP5138690 B2	20130206	JP20090529194T	20070913
MA30787 B1	20091001	MA20090031776	20090410
MX2009003135 A1	20090511	MX20090003135	20070913
NZ575728 A	20120224	NZ20070575728	20070913
RU2401913 C1	20101020	RU20090115196	20070913
TW200821434 A	20080516	TW20070135103	20070920
US2008072372 AA	20080327	US20060525494	20060922
US2012278986 AA	20121108	US20120549126	20120713
US8230533 BB	20120731	US20060525494	20060922
US10066380 BB	20180904	US20120549126	20120713
WO08039307 A2	20080403	WO2007US19914	20070913
WO08039307 A3	20100520	WO2007US19914	20070913

Priority:

US20060525494 20060922 WO2007US19914 20070913 US20120549126 20120713

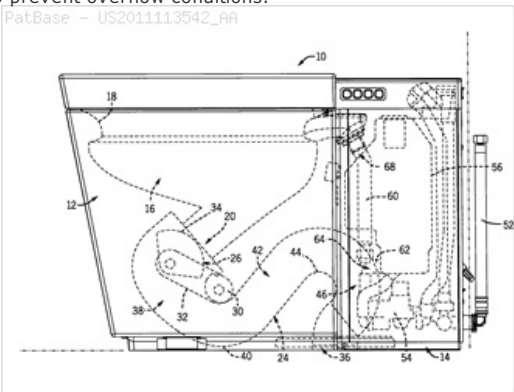
Probable Assignee: KOHLER CO**Assignee(s):** (std): KOPPLIN CHARLES R ; KOULER KO ; TEMPAS JEFFREY F ; MAROTZ BENJAMIN W ; JORSCH THOMAS C ; KOHLER CO**Assignee(s):** KOHLER COMPANY**Inventor(s):** (std): MAROTS BENDZHAMIN U ; KOPPLIN CHARL Z R ; TEMPAS DZHEFFRI F ; JORSH TOMAS S ; MAROTZ BENJAMIN W ; KOPPLIN CHARLES R ; JORSCH THOMAS C ; TEMPAS JEFFREY F**Inventor(s):** KOPPLIN CHARL'Z R. ; CHARLES R KOPPLIN ; JEFFREY F TEMPAS ; BENJAMIN W MAROTZ ; THOMAS C JORSCH**Agent(s):** GRIFFITH HACK; BCF LLP; GALLOWAY PETER DAVID; QUARLES AND BRADY LLP; FOLEY AND LARDNER LLP; STREIT RICHARD J**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: TOILET FLUSHING ASSEMBLY AND SEQUENCE

Abstract: A toilet has an electronic flush assembly operable in either a short or long flush sequence selectable by a user. The long flush sequence includes a pre-rinse cycle and a rinse cycle in which the a supply valve and a flush valve are both opened and closed twice, once each first during the pre-rinse cycle and again during a subsequent rinse cycle. The rim supply valve and the flush valve are opened during the pre-rinse and rinse cycles but are closed at the start and end of each cycle. An electronic control controls operation of the valves as well as water supply control components. Level sensors can also be included to provide feedback to the controller, for example, to prevent overflow conditions.

Classifications:

International (IPC 8-9): E03D1/14 E03D11/10 E03D3/02 E03D3/12 E03D5/012 E03D5/10 E03D5/12 E03D9/00 (Advanced/Invention); E03D3/02 E03D3/12 (Core/Non-invention)
CPC: E03D3/12 E03D5/012 E03D5/10 E03D9/00 E03D11/10 E03D1/14
European: E03D11/10 E03D3/12 E03D5/10 E03D9/00
US: 1/1 4/325 4/434 4/434P 4/435 4/438 4/440 4/441 4/442



Family:

Publication number	Publication date	Application number	Application date
BR112012011713 A2	20160315	BR20121111713	20101110
CN102713095 A	20121003	CN201080060019	20101110
CN102713095 B	20140827	CN201080060019	20101110
DE602010032283 D1	20160602	DE201060032283T	20101110
EP2501868 A1	20120926	EP20100779404	20101110
EP2501868 B1	20160413	EP20100779404	20101110
JP2013510969 T2	20130328	JP20120538924T	20101110
KR20120086335 A	20120802	KR20127014689	20101110
TW201128028 A	20110816	TW20100139345	20101116
US2011113542 AA	20110519	US20090619760	20091117
US2014041109 AA	20140213	US20130059906	20131022
US8566971 BB	20131029	US20090619760	20091117
US9045888 BB	20150602	US20130059906	20131022
WO11062818 A1	20110526	WO2010US56136	20101110

Priority:

US20090619760 20091117 EP20100779404 20101110 WO2010US56136 20101110
US20130059906 20131022

Probable Assignee: KOHLER CO

Assignee(s): (std): DENZIN PETER W ; KOHLER CO ; MAROTZ BEN ; STAUBER JOSEPH

Assignee(s): KOHLER CO KOHLER ; KOHLER COMPANY

Inventor(s): (std): DENZIN PETER W ; MAROTZ BEN ; STAUBER JOSEPH ; BEN MAROTZ ; JOSEPH STAUBER ; MAROTZ BENJAMIN

Inventor(s): PETER W DENZIN

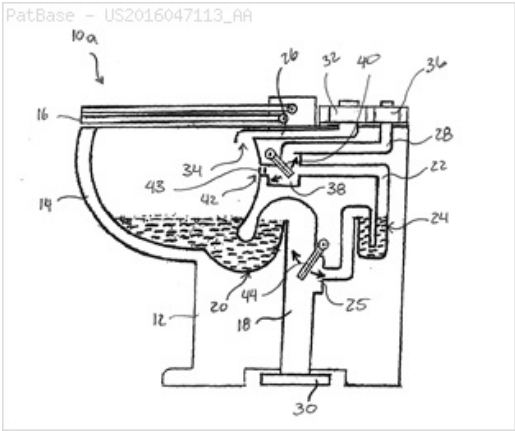
Agent(s): SAMSON AND PARTNER PATENTANWALTE MBB; WIGHTMAN DAVID ALEXANDER; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; FOLEY AND LARDNER LLP; SPROW MARCUS W

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: TOILET WITH FLUSHABLE OVERFLOW DRAIN

Abstract: A toilet with a flushable overflow drain includes a bowl and a primary drain connected to the bowl to receive fluid therefrom and having a primary drain trap. An overflow drain including an overflow drain trap is connected to the bowl at one end thereof and is connected at a second end to the primary drain at a location downstream of the primary drain trap. An overflow drain flush passage is connected to the overflow drain at a position upstream of the overflow drain trap. Accordingly, water can be directed through the overflow drain flush passage and into the overflow drain to flush the overflow drain and the overflow drain trap free of debris to prevent clogging.

Classifications:
International (IPC 8-9): E03D11/00 E03D11/13
E03D11/18 (Advanced/Invention)
CPC: E03D11/13 E03D11/00 Y02A10/34
US: 4/427



Family:

Publication number	Publication date	Application number	Application date
US2016047113 AA	20160218	US20150824563	20150812
US9822520 BB	20171121	US20150824563	20150812

Priority:

US20140999983P 20140812 US20150824563 20150812

Probable Assignee: ORUBOR LAWRENCE

Assignee(s): (std): ORUBOR LAWRENCE

Inventor(s): (std): ORUBOR LAWRENCE

Agent(s): LEWELLYN LAW PLLC; STEPHEN

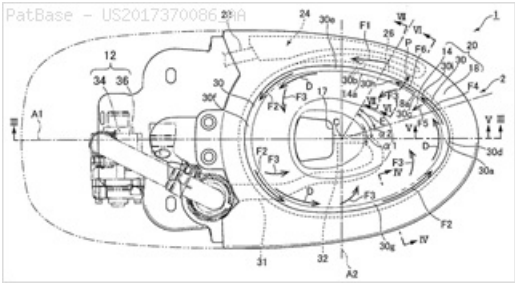
Title: FLUSH TOILET

Abstract: A flush toilet is provided, which can restrain flushing water from excessively flowing down to an inner side of a bowl section before the flushing water reaches an upper end portion of a rising flow path, and can effectively restrain from occurring an unwashed region in the bowl section. A flush toilet of the present invention has a bowl section, and the bowl section forms a water conduit formed between the waste receiving surface and the rim section, and the water conduit includes a shelf portion forming an inclined surface lowering toward an outer side from an inner side of the bowl section, or a horizontal surface formed horizontally toward the outer side from the inner side of the bowl section, in at least a part of a rising flow path rising from a low portion of the water conduit.

Classifications:

International (IPC 8-9): E03D1/26 E03D11/02 E03D11/08
E03D11/13 E03D5/01 (Advanced/Invention)

CPC: E03D11/08 E03D1/26 E03D5/01



Family:

Publication number	Publication date	Application number	Application date
■ CN107542139 A	20180105	CN201710373418	20170524
■ JP2017227079 A2	20171228	JP20160125513	20160624
■ US2017370086 AA	20171228	US20170626519	20170619

Priority:

JP20160125513 20160624

Probable Assignee: TOTO LTD

Assignee(s): (std): TOTO ; TOTO LTD

Inventor(s): (std): KASHIRAJIMA SHU ; KITAMURA MASAKI ; MOMOE MASAOKI ; TOJIMA SHU

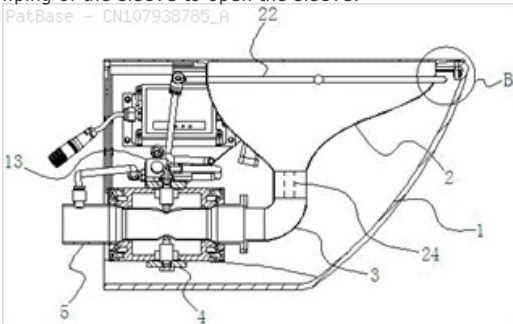
Agent(s): NISHIJIMA TAKAKI; DESHIMARU TAKESHI; MATSUSHITA MITSURU; KURASAWA ICHIRO

Title: VACUUM PEDESTAL PAN

Abstract: The invention discloses a vacuum pedestal pan. The vacuum pedestal pan comprises a pedestal pan base and a pedestal pan body and is characterized in that the sewage draining outlet of the pedestal panbody is connected with the inlet end of a pinch valve through a first pipeline, the outlet end of the pinch valve is connected with the vacuum pipeline of a vacuum system through a second pipeline, the pinch valve comprises a pinch valve body and a sleeve arranged inside the pinch valve body, a sealing space is arranged between the inner wall of the pinch valve body and the outer wall of the sleeve, the outer side of the pinch valve body is further provided with a first elastic pressing block device and a second elastic pressing block device, the first elastic pressing block device and the second elastic pressing block device extend into the sealing space, the sleeve is clamped and closed through pressing blocks in the first elastic pressing block device and the second elastic pressing block device, the pinch valve body is further provided with a vacuum pipe connector, and the vacuum pipe connector is connected with the second pipeline through a control valve; the control valve controls the vacuum pipe connector to vacuumize the sealing space to allow the pressing blocks of the first elastic pressing block device and the second elastic pressing block device to retract so as to loosen the clamping of the sleeve to open the sleeve.

Classifications:

International (IPC 8-9): E03D11/08 E03D11/10 E03D11/13
E03D5/01 E03D9/16 (Advanced/Invention)
CPC: E03D5/01 E03D9/16 E03D11/08 E03D11/10 E03D11/13
E03D2201/40



Family:

Publication number	Publication date	Application number	Application date
■ CN107938785 A	20180420	CN201711370782	20171219

Priority:

CN201711370782 20171219

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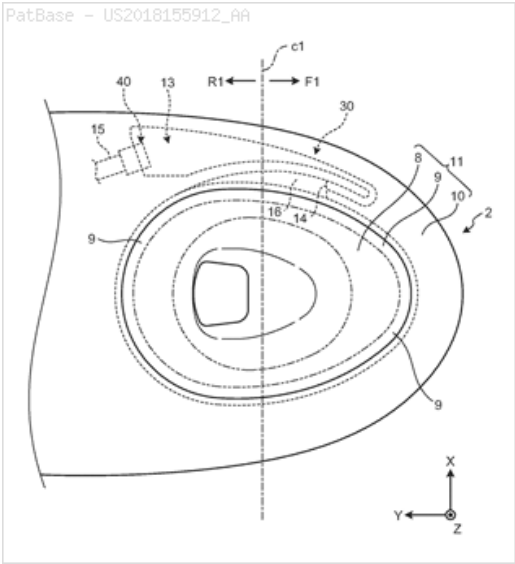
Title: FLUSH TOILET BOWL

Abstract: A flush toilet bowl includes a bowl part, a rim nozzle, and a rim water spout part. The bowl part has a rim part on an upper edge of a receiving surface with a bowl shape. The rim nozzle is provided on a rear part of the bowl part and spouts flush water. The rim water spout part is provided on the rim part and spouts flush water that is spouted from the rim nozzle toward the receiving surface. The rim water spout part includes a rim water guide channel that is formed inside the rim part and guides flush water that is spouted from the rim nozzle and a rim water spout port that is formed to be continuous with the rim water guide channel and in a front side region of the bowl part. The rim nozzle spouts flush water upward in the rim water guide channel.

Classifications:

International (IPC 8-9): E03D1/30 E03D11/02 E03D11/08 E03D5/01 E03D9/08 (Advanced/Invention)

CPC: E03D11/08 E03D1/30 E03D5/01 E03D9/08 E03D11/02 E03D2201/20



Family:

Publication number	Publication date	Application number	Application date
■ CN108166588 A	20180615	CN201711136638	20171116
■ JP2018091110 A2	20180614	JP20160237777	20161207
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Priority:

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