

Title (en)

Toilet for use in recreational vehicle and boats

Title (de)

Toilette zur Verwendung in einem Wohnmobil und Booten

Title (fr)

WC pour une utilisation dans des véhicules de loisirs et des bateaux

Publication

EP 2192243 A2 20100602 (EN)

Application

EP 09177250 A 20091126

Priority

US 32414408 A 20081126

Abstract (en)

A toilet (10) utilizes a pressurized fluid source (20) providing a flush volume of less than 1 gallon. A removable discharge passageway (35) is sealingly coupled at a first end (42) to the toilet waste outlet and at a second end (46) to a floor flange (48), and defines a trapway for providing a water seal therebetween. In one example, the water seal includes a water column (66), and the discharge passageway is configured to maintain at least about 80% of the water column therein when the toilet is pivoted about 10 degrees. In another example, an upleg (60) extends vertically upward a distance sufficient to maintain a minimum water column within the upleg necessary to maintain the water seal between the bowl (26) and the floor flange when the toilet is pivoted about 10 degrees. In another example, a support bracket (70) maintains the second end of the discharge passageway generally fixed relative to the first end.

IPC 8 full level

E03D 11/02 (2006.01); **E03D 11/18** (2006.01)

CPC (source: EP US)

E03D 11/02 (2013.01 - EP US); **E03D 11/18** (2013.01 - EP US)

Citation (applicant)

- FR 2771432 A1 19990528 - CLARA [FR]
- US 5067181 A 19911126 - HAFNER V WALTER [US], et al

Cited by

CN103266657A; CN104727409A; US10352027B2; WO2021258419A1; WO2016063257A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2192243 A2 20100602; **EP 2192243 A3 20110112**; AU 2009240814 A1 20100610; US 2010125940 A1 20100527

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