

Title (en)

Flush tank overflow device, and drain valve for a flush tank equipped with such a device

Title (de)

Spültanküberlaufvorrichtung und Entwässerungsventil für einen Spültank mit solch einer Vorrichtung

Title (fr)

Dispositif de déversoir de réservoir de chasse et soupape de vidange de réservoir de chasse équipé d'un tel dispositif

Publication

EP 2489794 A1 20120822 (EN)

Application

EP 12155677 A 20120215

Priority

IT MI20110222 A 20110215

Abstract (en)

A flush tank overflow device (2) has a tube (10) extending along an axis (A) and having two open opposite axial ends (12, 13); and a cover (11) at the top end (13) of the tube (10). The top end (13) of the tube (10) has an inlet opening (15) bounded by a substantially annular inlet edge (16); and the cover (11) has a bottom end edge (27), which surrounds the inlet edge (16) and is located radially outwards of the inlet edge (16) and axially below or substantially flush with a top face (21) of the inlet edge (16). The cover (11) and the inlet opening (15) thus form a siphon system (30) which allows to increase the flow rate when the overflow is active.

IPC 8 full level

E03D 1/34 (2006.01)

CPC (source: EP RU)

E03D 1/34 (2013.01 - EP RU)

Citation (search report)

- [XY] WO 2009033205 A1 20090319 - CAROMA IND LTD [AU], et al
- [Y] DE 9406089 U1 19940804 - DURAVIT AG [DE]
- [Y] FR 1243914 A 19601021
- [Y] US 5025509 A 19910625 - HOLT PETER K [CA], et al
- [A] AT 254695 B 19670612 - GEBERT & CIE [CH]

Cited by

JP2016033300A; EP3363957A1; IT201700018269A1; US9903494B2; US9968038B2; EP3098357A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2489794 A1 20120822; IT 1403937 B1 20131108; IT MI20110222 A1 20120816; RU 2012105123 A 20130820; RU 2607093 C2 20170110

DOCDB simple family (application)

EP 12155677 A 20120215; IT MI20110222 A 20110215; RU 2012105123 A 20120214