

Title (en)

Apparatus for flushing a toilet bowl or the like

Title (de)

Vorrichtung zum Spülen eines Toilettenbeckens oder dergleichen

Title (fr)

Dispositif pour le rinçage d'une cuvette de toilette ou analogue

Publication

**EP 1162320 B1 20061206 (EN)**

Application

**EP 01660102 A 20010523**

Priority

FI 20001337 A 20000605

Abstract (en)

[origin: EP1162320A1] The present invention relates to an apparatus to be used for flushing a toilet bowl. The invention simplifies current apparatuses and allows stepless adjustment of the flush water amount, for instance by means of the opening period of an electrically controlled inlet valve (12), without opening the cover of the water tank (1). The supply water pressure, the float member (2) and the force of gravity are utilised to control the movement of the piston member (4) in the chamber (5) communicating with the mains, this movement, in turn, controlling the movement of the outlet valve (15), thus regulating the flush water amount. The level of the water surface (3) in the water tank (1) is monitored by means of any device or method. An electric sensor (11), for instance, can be used for this purpose. <IMAGE>

IPC 8 full level

**E03D 5/10** (2006.01); **E03D 1/14** (2006.01); **E03D 1/30** (2006.01); **E03D 1/36** (2006.01)

CPC (source: EP)

**E03D 1/142** (2013.01); **E03D 1/36** (2013.01); **E03D 5/10** (2013.01)

Cited by

US9151028B2; EP1848864A4; EP1749941A1; EP1233111A3; US2010306911A1; WO2009044206A3; WO2009007840A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1162320 A1 20011212**; **EP 1162320 B1 20061206**; AT E347638 T1 20061215; CY 1105955 T1 20110406; DE 60124980 D1 20070118; DE 60124980 T2 20071213; DK 1162320 T3 20070205; ES 2275642 T3 20070616; FI 108469 B 20020131; FI 20001337 A0 20000605; NO 20012714 D0 20010601; NO 20012714 L 20011206; NO 334967 B1 20140811; PL 197284 B1 20080331; PL 347869 A1 20011217; PT 1162320 E 20070330

DOCDB simple family (application)

**EP 01660102 A 20010523**; AT 01660102 T 20010523; CY 071100102 T 20070125; DE 60124980 T 20010523; DK 01660102 T 20010523; ES 01660102 T 20010523; FI 20001337 A 20000605; NO 20012714 A 20010601; PL 34786901 A 20010604; PT 01660102 T 20010523