

Title (en)
FLUSH VALVE

Title (de)
SPÜLVENTIL

Title (fr)
SOUPAPE DE CHASSE

Publication
EP 0842334 B1 20051102 (EN)

Application
EP 96925598 A 19960802

Priority
• AU 9600486 W 19960802
• AU PN455495 A 19950802

Abstract (en)
[origin: WO9705337A1] There is described a valve arrangement which in one form is an inlet valve (60) or in another form is a dual flush valve (2). The valves may be used in a variety of situations but find particular application in a cistern for providing water to flush a toilet bowl or similar. The valve arrangement (2) comprises a flushing tube (100) or a pair of flushing tubes (14, 18) which can move axially. One end of the tubes (100, 18) is sealed to an outlet (9). The tubes are provided with rings or collars (16, 22) which co-operatively engage with locking edges (48, 50) of floats (40, 44) to control movement of the tubes (100, 14, 18). The floats (40, 44) are mounted off-centre or in a position spaced apart from their respective centres of gravity so that they are free to move under the effects of gravity and the effects of lift provided by buoyancy of the floats. In operation the sequential effects of gravity and buoyancy cause the floats to hold the tubes in position and then release the tubes thereby allowing selective flushing positions.

IPC 1-7
E03D 1/22; **E03D 1/14**; **E03D 3/12**

IPC 8 full level
E03D 1/14 (2006.01); **E03D 1/30** (2006.01); **F16K 31/20** (2006.01); **F16K 33/00** (2006.01)

CPC (source: EP)
E03D 1/144 (2013.01); **E03D 1/302** (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9705337 A1 19970213; AT E308645 T1 20051115; AU PN455495 A0 19950824; CN 1154775 C 20040623; CN 1196103 A 19981014; DE 69635373 D1 20051208; DE 69635373 T2 20060727; EP 0842334 A1 19980520; EP 0842334 A4 19981209; EP 0842334 B1 20051102; JP H11510224 A 19990907; NZ 313562 A 19980626

DOCDB simple family (application)
AU 9600486 W 19960802; AT 96925598 T 19960802; AU PN455495 A 19950802; CN 96196887 A 19960802; DE 69635373 T 19960802; EP 96925598 A 19960802; JP 50702297 A 19960802; NZ 31356296 A 19960802