

Title (en)  
Flushing tank

Title (de)  
Spülkasten

Title (fr)  
Réservoir de chasse d'eau

Publication  
**EP 0424622 B1 19980107 (DE)**

Application  
**EP 90115620 A 19900816**

Priority  
DE 3927200 A 19890817

Abstract (en)  
[origin: EP0424622A2] In a flushing tank for toilet flushing, having a water outlet which makes a connection with a toilet bowl and is controlled by a flushing valve, the flushing valve reaches, with an extension, through a flushing-water supply situated above the flushing valve. The foul air from the toilet bowl is sucked off by a vacuum generator. Extending through the flushing water is a suction tube which is connected to the vacuum generator and is connected, on one side, to an upper end, remote from the flushing valve, of the extension in the form of a pipe and leads, on the other side, to at least one exhaust fan which receives the foul air sucked off from the toilet bowl. The flushing valve forms with the extension and the suction pipe a discharge fitting which extends through a housing receiving the flushing-water supply and is fixed in an opening leading out of the housing. The opening is provided in a base which closes the housing at the bottom in the vertical direction. To cut off the water, there is provided a discharge connection-piece which is fixed to the base of the housing and forms the lower part of the discharge fitting. The discharge connection-piece is screwed to the base via a sealing system. The suction pipe is guided eccentrically in the region of the discharge connection-piece. An annular valve seat of the flushing valve, which in the closed state of the flushing valve is impinged by an annular valve part, is formed on the discharge connection-piece. The valve part is fixed to a lower end, facing the flushing valve, of the extension. A vacuum generator is connected to the suction pipe. The vacuum generator and its drive are mounted inside the suction pipe. The vacuum generator has a time control. The suction pipe on one side and the extension on the other side are connected to one another via a bell which projects above them at their upper ends and is immersed with its lower edge into a quantity of sealing water which gastightly closes its inner space. The quantity of sealing water is formed by the flushing-water supply.

IPC 1-7  
**E03D 9/052**

IPC 8 full level  
**E03D 9/05** (2006.01); **E03D 1/34** (2006.01); **E03D 9/052** (2006.01)

CPC (source: EP US)  
**E03D 9/052** (2013.01 - EP US)

Cited by  
WO2014114202A1; EP3900530A1; WO2021213824A1

Designated contracting state (EPC)  
CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**DE 3927200 A1 19910221**; DE 59010791 D1 19980212; EP 0424622 A2 19910502; EP 0424622 A3 19920415; EP 0424622 B1 19980107; JP H03132530 A 19910605; US 5123125 A 19920623

DOCDB simple family (application)  
**DE 3927200 A 19890817**; DE 59010791 T 19900816; EP 90115620 A 19900816; JP 21593490 A 19900817; US 56998590 A 19900817