

Title (en)
Straight trap toilet apparatus

Title (de)
Toilette mit geradem Geruchsverschluss

Title (fr)
Toilettes à évacuation droite

Publication
EP 1045077 A1 20001018 (EN)

Application
EP 99107579 A 19990415

Priority
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Abstract (en)
The straight trap toilet apparatus of the present invention mainly comprises a main body (1) with a straight trap, a piston (2), and a toilet bowl (3). The water outlet (11) of the main body (1) is connected to waste pipe (4), and the top of the main body (1) is mounted below the toilet bowl (3). The main body (1) has a water valve (12), wherein one end of the water valve (12) is connected to an inlet tube (13) connected to a water-faucet, and the other end of water valve (12) is connected to an outlet tube (17) that corresponds to the spurt water hole (31) of toilet bowl (3). In normal condition, water flows from the outlet tube (17) into the toilet bowl (3) and the main body (1). A water tank (14) is in fluid communication with the main body (1) by a linking tube (18) such that the water in the toilet bowl (3) and the water tank (14) are at the same level. The motion of the float ball (15) will control a valve handle (16) to control the water valve (12) for controlling the water intake. The water from the outlet tube (17) may gather together in the main body (1), the toilet bowl (3), and is in fluid communication with the water tank (14) by a linking tube (18). The water in the main body (1) is drained from a drainage outlet (19) which is controlled by a piston (2). When in use, the user only treads the treadle of a controlling handle (23), the piston (2) will open the drainage outlet (19) and feces or excreta will be flushed out very quickly. <IMAGE>

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E03D 5/012

IPC 8 full level
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CPC (source: EP)
E03D 5/012 (2013.01); **E03D 5/08** (2013.01)

Citation (search report)

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- [A] DE 10503 C
- [A] FR 2435566 A1 19800404 - PIAT MOISE

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