

Title (en)  
FLUSHING SYSTEM FOR TOILETS

Title (de)  
SPÜLSYSTEM FÜR TOILETTEN

Title (fr)  
SYSTÈME DE CHASSE D'EAU POUR TOILETTES

Publication  
**EP 4036333 A1 20220803 (DE)**

Application  
**EP 22151793 A 20220117**

Priority  
CN 202120239710 U 20210128

Abstract (en)  
[origin: CN214657496U] A water inlet valve has an air partition function, an air partition interval exists between a water outlet flow channel of the water inlet valve and a liquid level rising to a high water level set value, and an installation through hole is formed in the top face of a water tank. The water inlet valve is mounted at the top of the water tank through the mounting through hole, a water outlet of the water tank is connected with a water inlet of the water pump through a water pipe, and a water outlet of the water pump is connected with the flushing water channel of the ceramic base through a water pipe. An air partition interval exists between the water outlet flow channel of the water inlet valve and the liquid level rising to the high water level set value, water in the water tank can be effectively prevented from flowing back, and the European market test standard is met. When flushing is needed, water in the water tank is pumped out to the flushing water channel of the ceramic base through acting of the water pump, strong flushing of the dirt groove is achieved, and therefore the water tank flushing device can meet the installation requirements of water tanks without entering walls and cabinet type water tanks.

Abstract (de)  
Die Erfindung betrifft eine Toilette mit einem Keramikkörper (10), in dessen vorderem Abschnitt ein Auffangbecken (12) ausgebildet ist. Im hinteren Abschnitt des Keramikkörpers (10) ist ein Spülsystem (20) angeordnet, das einen Wasserkasten (22) und ein Wassereinlassventil (21) aufweist. Das Wassereinlassventil (21) sperrt den Wassereinlass, wenn der Flüssigkeitspegel im Wasserkasten (22) einen hohen Wasserstand-Einstellwert erreicht und öffnet den Wassereinlass, wenn der Flüssigkeitspegel auf einen niedrigen Wasserstand-Einstellwert sinkt. Zwischen dem Wasserauslass des Wassereinlassventils (21) und dem bis zum hohen Wasserstand-Einstellwert steigenden Flüssigkeitspegel ist ein Luftspalt vorgesehen.

IPC 8 full level  
**E03D 1/26** (2006.01); **E03D 1/32** (2006.01); **E03D 5/01** (2006.01); **E03D 5/10** (2006.01)

CPC (source: EP)  
**E03D 1/26** (2013.01); **E03D 1/32** (2013.01); **E03D 5/01** (2013.01); **E03D 5/10** (2013.01)

Citation (applicant)  
CN 202020261811 U 20200305

Citation (search report)  
• [IY] US 9702130 B2 20170711 - FUKUYA KOUJI [JP], et al  
• [IY] US 2017275862 A1 20170928 - KASHIRAJIMA SHU [JP], et al  
• [A] EP 2058443 A1 20090513 - TOTO LTD [JP]  
• [Y] US 2018282987 A1 20181004 - KASHIRAJIMA SHU [JP], et al

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