

Title (en)  
HEATABLE CISTERN FOR AN INTELLIGENT TOILET

Title (de)  
HEIZBARER SPÜLKASTEN FÜR INTELLIGENTE TOILETTE

Title (fr)  
RÉSERVOIR DE CHASSE D'EAU POUVANT ÊTRE CHAUFFÉ POUR TOILETTES INTELLIGENTES

Publication  
**EP 3722525 A1 20201014 (DE)**

Application  
**EP 20163166 A 20200313**

Priority  
CN 201910253686 A 20190330

Abstract (en)  
[origin: CN109972704A] The invention discloses a heating water tank for an intelligent closetool. The heating water tank comprises a box body and a heater. A water inlet and a water outlet are formed in the box body. A partition plate is arranged in the box body and divides an inner cavity of the box body into an upper water cavity and a lower water cavity. The upper water cavity is communicated with the lower water cavity. The heater is arranged in the lower water cavity. An overflow hole is formed in the top wall of the upper water cavity. The height of the overflow hole is smaller than that of the water inlet. The inner cavity of the box body is divided into the upper water cavity and the lower water cavity by the partition plate. Due to the fact that the height of the overflow hole is lower than that of the water inlet, the pressure is released after the pressure water of a water pipe is discharged into a water feeding cavity. The overflow hole guarantees that the water surface cannot exceed the water inlet. Meanwhile, the water in the water feeding cavity cannot flow back into the water pipe even if the water pipe leaks water or the negative pressure condition accidentally occurs. The water outlet temperature is stable.

Abstract (de)  
Die Erfindung offenbart einen heizbaren Spülkasten für eine intelligente Toilette, der einen Körper mit einem Wassereinlass (11) und einem Wasserauslass sowie eine Heizung (20) aufweist. In dem Körper ist eine Trennwand (13) vorgesehen, die den Innenraum des Körpers in eine obere Wasserkammer (14) und eine untere Wasserkammer (15) unterteilt. Die obere Wasserkammer (14) und die untere Wasserkammer (15) sind miteinander verbunden. Die Heizung (20) ist in der unteren Wasserkammer (15) vorgesehen. Die Erfindung verhindert einen Überdruck und gewährleistet eine gute Erwärmung des Wassers in der unteren Wasserkammer (15).

IPC 8 full level  
**E03D 1/00** (2006.01); **E03D 9/08** (2006.01)

CPC (source: CN EP)  
**E03D 1/00** (2013.01 - CN EP); **E03D 9/08** (2013.01 - CN EP); **F24H 1/20** (2013.01 - CN); **F24H 9/1809** (2013.01 - CN); **F24H 9/2007** (2013.01 - CN)

Citation (search report)

- [A] DE 4132351 A1 19920409 - AISIN SEIKI [JP]
- [A] KR 20090060743 A 20090615 - TONG YANG MAGIC CORP [KR]
- [A] US 2465866 A 19490329 - GAINES WALTER L

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3722525 A1 20201014**; **EP 3722525 B1 20211006**; CN 109972704 A 20190705; CN 109972704 B 20240719; ES 2904540 T3 20220405

DOCDB simple family (application)  
**EP 20163166 A 20200313**; CN 201910253686 A 20190330; ES 20163166 T 20200313