

Title (en)
TOILET FLUSHING SYSTEM WITH WATER TANK AND PUMP

Title (de)
SPÜLSYSTEM FÜR TOILETTEN MIT WASSERTANK UND PUMPE

Title (fr)
SYSTÈME POUR LE RINÇAGE DES TOILETTES AVEC CITERNE ET POMPE

Publication
EP 3819438 A1 20210512 (EN)

Application
EP 20206021 A 20201105

Priority
CN 201911070500 A 20191105

Abstract (en)
The present disclosure provides a toilet flushing system (2), comprising a water tank (21), a pressure pump (22), a water inlet pipe (23) and a water flushing pipe (24); the water inlet pipe (23) is connected to a water inlet (211) of the water tank (21), a connection position between the water inlet pipe (23) and the water inlet (211) of the water tank (21) is disposed with an open air suction port (212); and a water outlet of the water tank (21) is connected to the water flushing pipe (24) through the pressure pump (22). The toilet flushing system (2) with the water tank (21) can achieve a better vacuum breaking effect and effectively avoid a backflow of water in the water tank. The present disclosure further provides a toilet, which comprises the toilet flushing system.

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

CPC (source: CN EP)
E03D 1/30 (2013.01 - CN); **E03D 1/32** (2013.01 - EP); **E03D 1/38** (2013.01 - CN); **E03D 5/01** (2013.01 - EP); **E03D 5/10** (2013.01 - EP); **E03D 11/02** (2013.01 - CN)

Citation (search report)
• [XAI] EP 2065522 A1 20090603 - TOTO LTD [JP]
• [XI] EP 1134322 A1 20010919 - TOTO LTD [JP]
• [XAI] EP 2058443 A1 20090513 - TOTO LTD [JP]
• [XI] US 2016237668 A1 20160818 - ISHIMARU RYOKO [JP], et al

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 3819438 A1 20210512; CN 112779958 A 20210511

DOCDB simple family (application)
EP 20206021 A 20201105; CN 201911070500 A 20191105