

Title (en)

TOILET SYSTEM COMPRISING A TOILET ARRANGEMENT AND A SELF-REGULATED CLEANING SYSTEM

Title (de)

TOILETTENSYSTEM UMFASSEND EINE TOILETTENANLAGE UND EIN SELBSTREGELNDES REINIGUNGSSYSTEM

Title (fr)

SYSTÈME DE TOILETTES COMPRENANT UN AGENCEMENT DE TOILETTES ET UN SYSTÈME DE NETTOYAGE AUTO-RÉGULÉ

Publication

**EP 3744912 B1 20240124 (EN)**

Application

**EP 20178730 A 20200608**

Priority

IN 201911021163 A 20190528

Abstract (en)

[origin: EP3744912A1] Described herein is a self-regulated cleaning system [104] for toilet arrangement [102], which includes a hydrogen peroxide generator [122] and a control system [124]. The hydrogen peroxide generator [122] generates and releases hydrogen peroxide in a storage tank [110]. The control system [124] includes a flush counter [126] and a control unit [132]. The flush counter [126] determines count of number of flush actions performed on a face plate [116]. The control unit [132] actuates the hydrogen peroxide generator [122] as the count of the number of flush actions reaches beyond threshold value for releasing hydrogen peroxide therein, perform first actuation of the flush valve [114] for release of mixture of hydrogen peroxide and water to a toilet bowl, and then perform second actuation of the flush valve [114] after a predefined time for release of water in the toilet bowl [106].

IPC 8 full level

**E03D 9/03** (2006.01); **E03D 1/14** (2006.01); **E03D 5/09** (2006.01); **E03D 5/10** (2006.01)

CPC (source: EP)

**E03D 1/142** (2013.01); **E03D 9/035** (2013.01); **E03D 9/037** (2013.01); **E03D 5/09** (2013.01); **E03D 5/105** (2013.01)

Cited by

CN117991709A

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

DOCDB simple family (publication)

**EP 3744912 A1 20201202; EP 3744912 B1 20240124**

DOCDB simple family (application)

**EP 20178730 A 20200608**