

Title (en)

WATER-SAVING DEVICE FOR FLUSH TOILETS

Title (de)

WASSERSPARVORRICHTUNG FÜR SPÜLTOILETTEN

Title (fr)

DISPOSITIF D'ÉCONOMIE D'EAU POUR TOILETTES À CHASSE D'EAU

Publication

**EP 4098815 A1 20221207 (EN)**

Application

**EP 22020249 A 20220530**

Priority

CZ 202100285 U 20210606

Abstract (en)

The device according to the invention addresses the problem of saving drinking water when using flush toilets in households and in public facilities. The device consists of a hollow profile of the guiding part, into which a hollow inner profile with a collection container is inserted. The device is not a part of the toilet but can be easily connected to it and used at any time. It can be used on both the inside and outside of the toilet, for men, women and children.

IPC 8 full level

**E03D 13/00** (2006.01); **A47K 11/00** (2006.01); **A61F 5/455** (2006.01); **A61G 9/00** (2006.01)

CPC (source: EP US)

**E03D 11/025** (2013.01 - EP US); **E03D 13/007** (2013.01 - US); **E03D 13/007** (2013.01 - EP)

Citation (applicant)

- CN 2683726 Y 20050309 - ZOU CHAOWEI [CN]
- CN 2494389 Y 20020605 - WANG ZHIMIN [CN]
- FR 2890089 A1 20070302 - NIER JEAN [FR]
- DE 102010046698 A1 20120329 - WAGNER UDO [DE]

Citation (search report)

- [XY] CN 109235597 A 20190118 - HUANG XIUWEI
- [YA] US 4985940 A 19910122 - JONES KATHIE K [US]
- [XI] US 6546566 B1 20030415 - GEISEL ANTHONY [US]
- [XI] CN 110117982 A 20190813 - SHANGHAI CLINICAL ENGINE TECH DEVELOPMENT CO LTD
- [A] US 9637906 B1 20170502 - CHARLES DONALD [US]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4098815 A1 20221207**; CA 3160835 A1 20221206; US 2022389701 A1 20221208

DOCDB simple family (application)

**EP 22020249 A 20220530**; CA 3160835 A 20220527; US 202217831483 A 20220603