

Title (en)
Dry toilet system.

Title (de)
Trockenklosett-Einrichtung.

Title (fr)
Système de toilettes à sec.

Publication
EP 0441239 A1 19910814 (EN)

Application
EP 91101261 A 19910131

Priority
FI 900572 A 19900206

Abstract (en)
This publication discloses a dry toilet system particularly suited for multi-storey buildings. The system has the toilet seats (4) of each apartment connected via a check valve (19) and a connection branch (5) to a vertical waste stack (1). The lower end of the waste stack (1) is connected via a control valve (8) to an automatically replaced collection container (10). The toilet and household wastes are removed via the toilet seat (4), whereby they are allowed to freely fall to the lower end of the waste stack (1), and therefrom further into the collection container (10) at the opening of the cyclicly operating control valve (8). The backflow of odours from the waste stack (1) via the toilet seat (4) to the toilet space is prevented with the help of a venting duct (6) and a roof fan (7). The suction by roof fan (7) produces a vacuum in the venting duct (6) and the waste stack (1), thereby venting the odours to the roof of the building. <IMAGE>

IPC 1-7
A47K 11/02; **A47K 13/24**; **E03F 1/00**

IPC 8 full level
A47K 11/02 (2006.01); **E03D 9/04** (2006.01); **E03D 11/10** (2006.01)

CPC (source: EP)
E03D 9/04 (2013.01); **E03D 11/10** (2013.01)

Citation (search report)

- [Y] DE 3442565 A1 19860528 - BLUM ALBERT [DE]
- [Y] DE 2656741 A1 19780622 - ELECTROLUX GMBH
- [A] US 4346002 A 19820824 - PETZINGER MANFRED W A
- [A] FR 2090838 A5 19720114 - VILLEROY BOCH KERAMISCHE
- [A] DE 2654437 B1 19780302 - ELECTROLUX GMBH
- [A] DE 8522862 U1 19860410
- [A] DE 1948485 A1 19710401 - BHATIA KUMAR

Cited by
DE19750987C2; EP0923900A1; AU2003100524B4; FR2686920A1; AU2013201917B1; US9399863B2; WO2008020262A1; WO2005003472A1; WO2014153594A1; WO2011062467A3

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0441239 A1 19910814; CA 2035416 A1 19910807; FI 900572 A0 19900206; FI 900572 A 19910807; JP H04215731 A 19920806

DOCDB simple family (application)
EP 91101261 A 19910131; CA 2035416 A 19910131; FI 900572 A 19900206; JP 3511291 A 19910206