

Title (en)
Ventilated toilet

Title (de)
Belüftete Toilette

Title (fr)
Toilettes ventilées

Publication
EP 2239380 A3 20121031 (EN)

Application
EP 10159516 A 20100409

Priority
US 42201309 A 20090410

Abstract (en)
[origin: EP2239380A2] A ventilated toilet includes a toilet bowl having flush holes disposed around a rim of the toilet bowl for discharging water into the toilet bowl, a holding tank for containing a volume of water sufficient to cause the toilet to flush when the volume of water is discharged into the toilet bowl, a flush and refill mechanism for flushing and then refilling the toilet, the flush mechanism controlling a flush valve that covers a drain in a bottom of the holding tank. The toilet also includes a water feed conduit connecting the drain to the holes around the rim of the bowl. A motion-sensitive switch is connected to a movable portion of the flush and refill mechanism for controlling an air ventilation fan that draws malodorous air from the toilet bowl through the flush holes and conduit and then through an air outlet in the toilet bowl.

IPC 8 full level
E03D 9/05 (2006.01)

CPC (source: EP US)
E03D 9/05 (2013.01 - EP US); **E03D 2201/40** (2013.01 - EP US)

Citation (search report)

- [X] EP 1041205 A2 20001004 - WORRELL GEORGE WILLIAM [GB]
- [A] GB 917933 A 19630213 - DUNCAN CLEMENT DAVY, et al
- [A] US 2009044320 A1 20090219 - ABUNAMEH HANI A [JO]
- [A] GB 493200 A 19381003 - STANLEY HARRIS CHURCHILL
- [A] DE 9411849 U1 19941103 - REHFUS BERND DIPL ING [DE]
- [A] DE 4311066 A1 19940922 - FROBOESE ERIKA [DE]
- [X] US 6073273 A 20000613 - TILLEN BRUCE [CA]
- [X] DE 3927200 A1 19910221 - MENGE HEINRICH [DE]

Cited by
WO2012051723A1; EP3179000A2

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
EP 2239380 A2 20101013; EP 2239380 A3 20121031; CA 2699613 A1 20101010; CA 2699613 C 20130611; CA 2810297 A1 20101010; CA 2810297 C 20141223; JP 2010285863 A 20101224; US 2010257667 A1 20101014

DOCDB simple family (application)
EP 10159516 A 20100409; CA 2699613 A 20100409; CA 2810297 A 20100409; JP 2010090996 A 20100410; US 42201309 A 20090410