

Title (en)
Waterless urinal

Title (de)
Wasserloses Urinal

Title (fr)
Urinoir sans eau

Publication
EP 1785077 A1 20070516 (DE)

Application
EP 05024759 A 20051112

Priority
EP 05024759 A 20051112

Abstract (en)

The urinal (10), operating without the use of water, has a ceramic or metal stand or basin with an outflow opening mostly covered by a shrouding (5). The urine flows out through slits and the like into a catch zone (8) under the shrouding. The outflow pipe (13) has an internal membrane (15) to decelerate the flow from the catch zone to prevent a rapid emptying where there is a container (23) for a disinfectant, which is at least partially permeable to treat the urine passing through it.

IPC 8 full level
A47K 11/12 (2006.01); **E03C 1/126** (2006.01); **E03C 1/298** (2006.01)

CPC (source: EP)
A47K 11/12 (2013.01); **E03C 1/281** (2013.01); **E03C 1/298** (2013.01); **E03D 13/005** (2013.01)

Citation (applicant)

- CH 690917 A5 20010228 - WILLI LOUIS [DE]
- DE 270361 C
- WO 9425693 A1 19941110 - REICHARDT KLAUS H [DE], et al
- EP 0903444 A1 19990324 - ILLY BOB W [CH]
- US 2002038474 A1 20020404 - ATWILL JOHN [US]
- US 2004181861 A1 20040923 - INGLIN URS [CH], et al

Citation (search report)

- [XA] WO 2005071172 A1 20050804 - FALCON WATERFREE TECHNOLOGIES [US]
- [XA] GB 2319540 A 19980527 - SOLVTECH LIMITED [GB]
- [X] US 6401266 B1 20020611 - MITCHELL GEOFF JOHN [GB], et al
- [A] EP 0903444 A1 19990324 - ILLY BOB W [CH]

Cited by
EP2826923A4; AU2008243269B1; CN104818757A; DE102009008573A1; DE102009008574A1; DE102009008574B4; US2014130899A1; US9915058B2; GB2467669A; GB2467669B; US10184235B2; US10182688B2; US8622090B2; US10337179B2; US11111663B2; WO2009040524A1; WO2010057248A1; US9683359B2; US10273675B2; US10975560B2; DE202010003446U1; US10077546B2; EP2201189A1; WO2010091862A1; EP2594698A2; US9926692B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1785077 A1 20070516

DOCDB simple family (application)
EP 05024759 A 20051112