

Title (en)
Odour-trap for waterless urinal

Title (de)
Geruchsverschluss für ein wasserloses Urinal

Title (fr)
Siphon pour pour urinoir sans eau

Publication
EP 1247910 A3 20040908 (DE)

Application
EP 02405259 A 20020403

Priority
CH 6562001 A 20010406

Abstract (en)
[origin: EP1247910A2] Water trap for a water-free or low-water urinal comprises a beaker-like housing (1) having an inlet (9) at an upper end and an outlet (8) at a lower end leading into a discharge pipe, and a siphon (5, 6) blocking the passage of gas from the outlet to the inlet. An exchangeable insert (4) in the form of an inlet funnel forming a urine collector opens into a pipe (4b) having a relatively small internal width. Preferred Features: The pipe opens at a lower end into a region (4c) to form an Erlenmeyer-type flask. The insert forms an exchangeable unit with the housing. The insert has at least one siphon, preferably at least two ring siphons arranged in a cascade.

IPC 1-7
E03C 1/28; **E03D 13/00**

IPC 8 full level
E03C 1/28 (2006.01)

CPC (source: EP US)
E03C 1/28 (2013.01 - EP US); **E03C 1/281** (2013.01 - EP US); **Y10T 137/4553** (2015.04 - EP US)

Citation (search report)

- [XY] US 4026317 A 19770531 - EKSTROM LARS
- [Y] US 704471 A 19020708 - BROWN SCHUYLER C [US]
- [Y] EP 1085133 A2 20010321 - SCHOCH EDWIN [CH]
- [X] GB 2137247 A 19841003 - NAT RES DEV
- [X] DE 2853212 A1 19800117 - ERNST F ING AG
- [X] DE 29900010 U1 19990909 - KELLER DORIS [CH]
- [A] GB 2296514 A 19960703 - EVAC AB [SE]
- [A] EP 0506026 A1 19920930 - INAX CORP [JP]

Cited by
EP1460187A1; US11111663B2; WO2012019589A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1247910 A2 20021009; **EP 1247910 A3 20040908**; **EP 1247910 B1 20090408**; AT E428031 T1 20090415; DE 50213420 D1 20090520; US 2002166162 A1 20021114; US 6701541 B2 20040309

DOCDB simple family (application)
EP 02405259 A 20020403; AT 02405259 T 20020403; DE 50213420 T 20020403; US 11744902 A 20020405