

Title (en)  
SANITARY INSERT UNIT

Title (de)  
SANITÄRE EINSETZEINHEIT

Title (fr)  
UNITÉ D'INSERTION SANITAIRE

Publication  
**EP 1606462 B1 20141029 (DE)**

Application  
**EP 04719414 A 20040311**

Priority  
• EP 2004002504 W 20040311  
• DE 10312854 A 20030321

Abstract (en)  
[origin: WO2004083538A1] A sanitary insert unit (1), which can be inserted into a discharge fitting, comprises a substantially conical-shaped attachment screen (2) with a downstream throughflow regulator (3) and a jet regulator (4) in the direction of flow. The throughflow regulator (3) is arranged substantially inside the inner area (6) of the insert unit, which is defined on the upper side by the attachment screen element (2). The throughflow regulator (3) has a substantially cross-sectional profile whose shape is adapted to the cross-sectional profile of the attachment screen (2). The throughflow regulator (3) has a rising sloping surface (9) which rises in a radially inward manner in an outer particularly annular edge area and which leads to a control gap (10) or the same throughflow opening connected to the jet regulator (4). The rising sloping surface (9) and the attachment screen (2) are arranged at a distance from each other.

IPC 8 full level  
**E03C 1/08** (2006.01)

CPC (source: EP US)  
**E03C 1/08** (2013.01 - EP US); **E03C 2001/026** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004083538 A1 20040930**; AU 2004221713 A1 20040930; AU 2004221713 B2 20090122; CN 100485143 B9 20161123; CN 100485143 C 20090506; CN 1761791 A 20060419; DE 10312854 A1 20041007; DE 10312854 B4 20140828; DE 502004014749 C5 20200618; DK 1606462 T3 20150105; EP 1606462 A1 20051221; EP 1606462 B1 20141029; ES 2525419 T3 20141222; PL 1606462 T3 20150331; PT 1606462 E 20150204; US 2006144962 A1 20060706; US 2008078848 A1 20080403

DOCDB simple family (application)  
**EP 2004002504 W 20040311**; AU 2004221713 A 20040311; CN 200480007008 A 20040311; CN 200480007008 D 20040311; DE 10312854 A 20030321; DE 502004014749 A 20040311; DK 04719414 T 20040311; EP 04719414 A 20040311; ES 04719414 T 20040311; PL 04719414 T 20040311; PT 04719414 T 20040311; US 54720404 A 20040311; US 86360107 A 20070928