

Title (en)
Water closet

Title (de)
Wasserklosett

Title (fr)
WC

Publication
EP 2604761 B1 20150218 (DE)

Application
EP 11009858 A 20111214

Priority
EP 11009858 A 20111214

Abstract (en)
[origin: EP2604761A1] The closet has rinse water supply units (5) led into an inlet opening (7) in a ceramic water closet bowl. The rinse water supply units and the inlet opening are formed such that a rotary movement is operated in the bowl. A bowl inner mold exhibits an asymmetric shape related to a vertical center plane. The bowl inner mold defines a flow trajectory for rinse water. The flow trajectory on a side of the center plane is deeper than on another side of the center plane so that rotary rinse water movement overlays a bowl-inner mold-conditional downward movement.

IPC 8 full level
E03D 11/08 (2006.01)

CPC (source: EP RU)
E03D 11/08 (2013.01 - EP RU)

Citation (examination)
• US 6397405 B1 20020604 - GRECH GEORGE [US], et al
• US 5715544 A 19980210 - HUFFMAN CARRIE E [US], et al
• GB 2012835 A 19790801 - SISSONS LTD W & G
• GB 2203178 A 19881012 - IFOE SANITAER AB
• EP 1120500 A2 20010801 - ROEDIGER VAKUUM & HAUSTECHNIK [DE]
• US 1107515 A 19140818 - HAAS PHILIP [US]

Cited by
EP4159942A1; EP2993274A1; CN104712044A; CN105814264A; CN106545066A; PL131042U1; DE202021106357U1; WO2015143391A1; US10060113B2; US10233627B2; DE202021104161U1; DE202022103283U1; EP4290024A1; JP2019007350A; DE202017005242U1; EP3412840A1; WO2018224632A1; EP4130407A1; WO2023011889A1; EP3486384A1; DE102018121465A1; EP3951110A1; DE202018006705U1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2604761 A1 20130619; EP 2604761 B1 20150218; AU 2012351164 A1 20140703; AU 2012351164 B2 20160818; CN 103987901 A 20140813; CN 103987901 B 20151125; DK 2604761 T3 20150407; ES 2532530 T3 20150327; HK 1197442 A1 20150116; PL 2604761 T3 20150731; PT 2604761 E 20150513; RU 2014128355 A 20160210; RU 2632216 C2 20171003; SG 11201402320Y A 20140627; SI 2604761 T1 20150630; UA 115872 C2 20180110; WO 2013087195 A1 20130620

DOCDB simple family (application)
EP 11009858 A 20111214; AU 2012351164 A 20121212; CN 201280061728 A 20121212; DK 11009858 T 20111214; EP 2012005124 W 20121212; ES 11009858 T 20111214; HK 14110995 A 20141103; PL 11009858 T 20111214; PT 11009858 T 20111214; RU 2014128355 A 20121212; SG 11201402320Y A 20121212; SI 201130480 T 20111214; UA A201407615 A 20121212