

Title (en)
HOLLOW WATER OUTLET MECHANISM AND WATER OUTLET DEVICE COMPRISING THE HOLLOW WATER OUTLET MECHANISM

Title (de)
HOHLER WASSERAUSLASSMECHANISMUS UND WASSERAUSLASSVORRICHTUNG MIT DEM HOHLEN WASSERAUSLASSMECHANISMUS

Title (fr)
MÉCANISME DE SORTIE D'EAU CREUX ET DISPOSITIF DE SORTIE D'EAU COMPRENANT LE MÉCANISME DE SORTIE D'EAU CREUX

Publication
EP 3828351 A1 20210602 (EN)

Application
EP 20020578 A 20201130

Priority
CN 201911202523 A 20191129

Abstract (en)
The present disclosure discloses a hollow water outlet mechanism and a water outlet device comprising the hollow water outlet mechanism. The hollow water outlet mechanism is hollow to define a hollow hole (41), the hollow water outlet mechanism comprises a water inlet passage (42), a first annular cavity (43), an middle annular cavity and a final annular cavity; the first annular cavity (43) is in communication with the water inlet passage (42); a plurality of first water blocking strips (47, 47') are circumferentially disposed between the first annular cavity (43) and the middle annular cavity at intervals, water in the first annular cavity (43) flows into the middle annular cavity through a first interval between every two adjacent first water blocking strips (47, 47'); an annular water passage (49) is disposed between the middle annular cavity and the final annular cavity, the water in the middle annular cavity overflows and flows into the final annular cavity through the annular water passage (49), the water flows out along the final annular cavity, and air is sucked in from the hollow hole (41) during a process of the flowing out, so as to define hollow water. The hollow water is not distorted and is beautiful and water-saving.

IPC 8 full level
E03C 1/04 (2006.01); **B05B 1/06** (2006.01); **B05B 7/04** (2006.01); **E03C 1/084** (2006.01)

CPC (source: CN EP)
B05B 1/06 (2013.01 - CN EP); **B05B 1/18** (2013.01 - CN); **B05B 7/0425** (2013.01 - EP); **B05B 15/00** (2013.01 - CN); **E03C 1/08** (2013.01 - EP); **E03C 1/0409** (2013.01 - EP)

Citation (applicant)
CN 105983490 A 20161005 - XIAMEN SOLEX TECHNOLOGY CO LTD, et al

Citation (search report)

- [XAI] FR 1489974 A 19670728
- [XI] US 5215260 A 19930601 - ROBBINS TOM E [US]
- [A] US 10184233 B2 20190122 - WU GARY [TW]
- [A] PRODUCT PEEKS: "DealPeak 7 Colors LED Lights Tap (Faucet) for Kitchen and Bathroom", 18 November 2015 (2015-11-18), pages 1, XP054981592, Retrieved from the Internet <URL:https://www.youtube.com/watch?v=pZ17tZTQeFA> [retrieved on 20210323]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3828351 A1 20210602; **EP 3828351 B1 20230531**; CN 112871480 A 20210601; CN 112871480 B 20231103

DOCDB simple family (application)
EP 20020578 A 20201130; CN 201911202523 A 20191129