

Title (en)
WATER OUTLET DEVICE AND SHOWER

Title (de)
WASSERAUSLASSVORRICHTUNG UND BRAUSE

Title (fr)
DISPOSITIF DE DÉVERSEMENT D'EAU ET DOUCHE

Publication
EP 4094840 A1 20221130 (EN)

Application
EP 22175909 A 20220527

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Abstract (en)
The present disclosure discloses a water outlet device and a shower. The water outlet device comprises a water outlet component and a control mechanism; characterized in that: the water outlet component comprises a mixing chamber having a spherical cap chamber with a large top and a small bottom and an elongated hole having an upper port in communication with a bottom of the spherical cap chamber disposed top-to-bottom, a top of the mixing chamber comprises a first water inlet, a side wall of the mixing chamber comprises a second water inlet, and flow rates of the first water inlet and the second water inlet change to control water spray from the elongated hole; the control mechanism cooperates with the first water inlet and the second water inlet to steplessly adjust the flow rates of the first water inlet and the second water inlet to change. It has the following advantages: the shower water has a good rectification effect, and flying water is not easily produced; the spherical cap chamber can produce a good vortex effect, a pipe resistance is small, so that hollow spray can be presented even under low water pressure; as the spherical cap chamber has a revolution surface or a quasi-revolution surface, under a same eccentric distance, a size is smaller, and more water outlet nozzles can be arranged.

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Citation (search report)
• [XY] CN 112403698 A 20210226 - HEGII SANITARY WARE GROUP CO LTD, et al
• [XY] US 2009236438 A1 20090924 - PETROVIC JOHN E [US]
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