

Title (en)
SHOWERHEAD WITH DETACHABLE TOP COVER

Title (de)
DUSCHKOPF MIT ABNEHMBAREM DECKEL

Title (fr)
POMME DE DOUCHE AVEC COUVERCLE SUPÉRIEUR AMOVIBLE

Publication
EP 2813292 B1 20190116 (EN)

Application
EP 13747198 A 20130206

Priority
• CN 201210031170 A 20120210
• CN 201220044280 U 20120210
• CN 2013071447 W 20130206

Abstract (en)
[origin: EP2813292A1] Disclosed is a showerhead with a detachable top cover. The showerhead comprises a main body unit (100) with a water outlet channel (700) able to communicate with the water supply, a rotatable water divider (200) installed and connected inside the main body unit (100), and a top cover (300). The water divider (200) is provided with an outer ring (210) and the outer ring (210) has an inner rotating face (213). The inner rotating face (213) is provided with an assembling/disassembling groove (214). The assembling/disassembling groove (214) comprises an in/out groove (211) running through to the outer end face of the outer ring (210) and a transverse groove (212) extending transversely from the inner port of the in/out groove (211). From an outer rotating face (301) of the top cover (300) protrude protruding seats (310). The protruding seats (310) and the assembling/disassembling groove (214) are adapted to one another such that the protruding seats (310) can enter the transverse groove (212) via the in/out groove (211) and such that the protruding seats (310) can enter the in/out groove (211) from the transverse groove (212) to disengage the assembling/disassembling groove (214). A snap-fitting structure (500) is provided between the outer ring (210) of the water divider (200) and the top cover (300) and is able to limit the relative rotation and is able to be assembled and disassembled. The water divider (200) and the top cover (300) are mounted together in a sealed manner and form multiple water outlet chambers (600) corresponding to multiple water outlet functions. The relative rotation of the water divider (200) and the main body unit (100) switches which of the multiple water outlet chambers (600) are in communication with the water inlet channel.

IPC 8 full level
B05B 1/16 (2006.01); **B05B 1/12** (2006.01); **B05B 1/18** (2006.01); **B05B 15/60** (2018.01)

CPC (source: EP US)
B05B 1/1654 (2013.01 - EP US); **B05B 1/18** (2013.01 - EP); **B05B 1/185** (2013.01 - EP); **B05B 15/60** (2018.01 - EP US);
B05B 15/50 (2018.01 - EP US)

Cited by
EP3248689A1

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 2813292 A1 20141217; **EP 2813292 A4 20151021**; **EP 2813292 B1 20190116**; WO 2013117160 A1 20130815

DOCDB simple family (application)
EP 13747198 A 20130206; CN 2013071447 W 20130206