

Title (en)
A self-cleaning shower

Title (de)
Selbstreinigende Dusche

Title (fr)
Douche autonettoyante

Publication
EP 2767347 A1 20140820 (EN)

Application
EP 13155090 A 20130213

Priority
EP 13155090 A 20130213

Abstract (en)
A self-cleaning overhead shower comprises a containing chamber, a shutter (3) arranged in the containing chamber (11), a surface cover (6) arranged in the containing chamber (11) and forming a spout (61) and a supporting column (62), a water distribution part (5) arranged in the containing chamber (11) and forming a through hole (52) and one or more cleaning pins (51) positioned in alignment with spout holes of the spout (61), wherein the supporting column (62) of the surface cover (6) extends through the through hole (52) of the water distribution part (5) and is fixed to the shutter (3) in a manner that the surface cover (6) is movable with respect to the water distribution part (5) between an attached position in which the cleaning pin (51) penetrates the spout (61) and a detached position in which the cleaning pin (51) is detached from the spout (61), a spring (4) acting between the shutter (3) and the water distribution part (5) such that the spout (61) of the surface cover (6) is elastically biased in the attached position and a water pressure acting on the shutter (3) moves the shutter (3) together with the spout (61) in the detached position.

IPC 8 full level
B05B 1/18 (2006.01); **B05B 15/02** (2006.01); **B05B 15/522** (2018.01)

CPC (source: EP)
B05B 1/18 (2013.01); **B05B 15/5225** (2018.01)

Citation (search report)
• [XYI] WO 2007141551 A1 20071213 - KOHLER MIRA LTD [GB], et al
• [Y] DE 3825537 A1 19890209 - PFISTER PRICE INC [US]
• [XI] GB 2210566 A 19890614 - CARADON MIRA LTD [GB]
• [XI] EP 0591877 A1 19940413 - SCHEFFER OHG FRANZ [DE]

Cited by
CN108126836A; CN111420816A; CN108262204A; CN108855654A; CN114368846A; CN109225734A; CN111659550A; CN109482378A; US2021308697A1; CN114210476A; US11779939B2; US11786081B2; US11338306B2; US11433414B2; WO2017063473A1; CN108421651A; EP3590604A3; WO2017059793A1; WO2018202030A1

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 2767347 A1 20140820

DOCDB simple family (application)
EP 13155090 A 20130213