

Title (en)
Shower head.

Title (de)
Brausekopf.

Title (fr)
Tête de douche.

Publication
EP 0478999 B1 19940413 (DE)

Application
EP 91115321 A 19910911

Priority
DE 4031206 A 19901004

Abstract (en)
[origin: EP0478999A1] In a shower head for producing pulsating fluid jets with a rotating ball for the periodic sealing of the individual fluid outlet openings on the shower head, it is proposed for the sake of improvement and for the use as a sanitary hand-held or stationary shower fitting that the ball be arranged in an annular channel constructed on a shower floor and the annular channel be bounded by a nozzle plate at the region located upstream, the cross-section of the individual fluid outlet openings being larger than that of the individual nozzles for the fluid inlet. <IMAGE>

IPC 1-7
B05B 1/18; **B05B 1/08**; **B05B 12/06**; **B05B 3/04**

IPC 8 full level
B05B 1/08 (2006.01); **B05B 1/18** (2006.01); **B05B 3/04** (2006.01); **B05B 12/06** (2006.01)

CPC (source: EP)
B05B 1/083 (2013.01); **B05B 3/0404** (2013.01)

Cited by
EP4005681A1; EP1380347A1; CN114653493A; CN109201359A; DE4432327A1; DE4432327C2; EP3184705A1; US9795975B2; EP0700729A1; WO0121320A1; USD843549S; USD875210S; US10441960B2; USD902348S; US11458488B2; US11759801B2; US10478837B2; US10525488B2; US10994289B2; US11173502B2; US11648573B2; US10449558B2; USD872227S; USD912767S; US11413632B2; US11883834B2; US9636694B2; US9623424B2; US9623425B2; US10226777B2; US10265710B2; US10532369B2; US11084047B2; USD950011S; USD970684S; USD983322S

Designated contracting state (EPC)
AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0478999 A1 19920408; **EP 0478999 B1 19940413**; AT E104177 T1 19940415; DE 4031206 A1 19920409; DE 59101376 D1 19940519; DK 0478999 T3 19940912; ES 1018584 U 19920116; ES 1018584 Y 19920716; ES 2054415 T3 19940801

DOCDB simple family (application)
EP 91115321 A 19910911; AT 91115321 T 19910911; DE 4031206 A 19901004; DE 59101376 T 19910911; DK 91115321 T 19910911; ES 9102879 U 19910924; ES 91115321 T 19910911