

Title (en)  
SHOWER HEAD

Publication  
**EP 0435030 A3 19911121 (DE)**

Application  
**EP 90123391 A 19901206**

Priority  
DE 3943058 A 19891228

Abstract (en)  
[origin: EP0435030A2] In a shower head with water jet nozzles, in particular for sanitary applications, it is proposed, for the sake of preventing calcium deposits in the region of the cross-section producing the jet, that the water jet nozzles each have a nozzle channel whose jet-producing cross-section is constructed upstream of the outlet opening and that in the flow direction the remaining section of the channel with the outlet opening is widened. <IMAGE>

IPC 1-7  
**B05B 1/18**

IPC 8 full level  
**A47K 3/28** (2006.01); **A61H 33/00** (2006.01); **B05B 1/18** (2006.01)

CPC (source: EP)  
**B05B 1/185** (2013.01)

Citation (search report)

- [X] FR 1088427 A 19550307
- [A] DE 3107808 A1 19820916 - GROHE ARMATUREN FRIEDRICH [DE]
- [A] US 4135670 A 19790123 - SUGIMOTO YOSHIO

Cited by  
CN103433159A; EP1479445A1; GB2315106A; GB2315106B; DE4432327A1; DE4432327C2; US9795975B2; EP0700729A1; WO9409910A1; USD843549S; USD875210S; US9687859B2; US10589297B2; US11358159B2; US7048210B2; US10441960B2; US11458488B2; US11759801B2; US10478837B2; US10525488B2; US10994289B2; US11173502B2; US11648573B2; US10449558B2; USD872227S; USD912767S; US11413632B2; US11883834B2; US9636694B2; US9623424B2; US9623425B2; US10226777B2; US10265710B2; US10532369B2; US11084047B2; USD950011S; USD970684S; USD983322S

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AT CH DE DK ES IT LI NL SE

DOCDB simple family (publication)  
**EP 0435030 A2 19910703; EP 0435030 A3 19911121**; DE 3943058 A1 19910704; ES 1018683 U 19920201; ES 1018683 Y 19920916; JP H03232556 A 19911016

DOCDB simple family (application)  
**EP 90123391 A 19901206**; DE 3943058 A 19891228; ES 9003491 U 19901207; JP 33698990 A 19901130