

Title (en)

ELECTRONIC SHOWER SYSTEM FOR REDUCING WATER AND ENERGY CONSUMPTION

Title (de)

ELEKTRONISCHES DUSCHSYSTEM ZUR REDUZIERUNG DES WASSER- UND ENERGIEVERBRAUCHS

Title (fr)

SYSTÈME DE DOUCHE ÉLECTRONIQUE POUR RÉDUIRE LA CONSOMMATION D'EAU ET D'ÉNERGIE

Publication

EP 4047144 A1 20220824 (EN)

Application

EP 22152911 A 20220124

Priority

ES 202130340 U 20210219

Abstract (en)

A water-saving electronic shower system (1) comprises an electro-hydraulic control housing (2) connected to a power source (7), a cold water inlet (17), a hot water inlet (18) and a plurality of water outlets; wherein the electro-hydraulic control housing (2) comprises: a control circuit (3); a temperature control valve (4); a temperature sensor (5); and a selector valve (6) for the plurality of water outlets; wherein the control circuit (3) is electrically connected to the temperature control valve (4), the temperature sensor (5) and the selector valve (6); wherein the system further comprises: a recirculation conduit (26) connected between a first outlet of the plurality of water outlets and the cold water inlet (17); and a circulator element (19) inserted in the recirculation conduit (26) and connected to the control circuit (3).

IPC 8 full level

E03B 7/04 (2006.01); **E03C 1/04** (2006.01); **E03C 1/05** (2006.01)

CPC (source: EP)

E03B 7/045 (2013.01); **E03C 1/0408** (2013.01); **E03C 1/055** (2013.01)

Citation (search report)

- [IY] US 6286764 B1 20010911 - GARVEY EDWARD C [US], et al
- [IY] EP 2942571 A1 20151111 - PESAVENTO FRANCO [IT], et al
- [Y] EP 2910694 A1 20150826 - KOHLER CO [US]
- [Y] WO 2019175851 A1 20190919 - POPPER SHAY [IL]
- [Y] US 2015221206 A1 20150806 - SCHNEIDER II RANDY [US], et al

Citation (examination)

US 2020263400 A1 20200820 - SONG KI BOK [US], et al

Cited by

ES2975411A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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