

Title (en)

Device for preparing shower water for a water closet with bidet and method for operating such a device

Title (de)

Vorrichtung zum Aufbereiten von Duschwasser für ein Wasserklosett mit Unterdusche und Verfahren zum Betrieb einer solchen Vorrichtung

Title (fr)

Dispositif de préparation d'eau de douche pour un WC doté d'une sous-douche et procédé de fonctionnement d'un tel dispositif

Publication

EP 2357423 B1 20140730 (DE)

Application

EP 09405232 A 20091224

Priority

EP 09405232 A 20091224

Abstract (en)

[origin: US2011154564A1] The device has a line arrangement (2), which possesses an inlet (3) connectable to a supply line and an outlet (4) connectable to a shower arm (5). A heating element (6) serves for the provision of warm water. An energy store (7, 8) is provided, with which the power range for the provision of shower water can be extended. The heating element (6) for the provision of warm water is, in particular, a continuous-flow heater. The energy store (7, 8) is, in particular, a thermal, electrical, electrochemical or chemical energy store. During the shower process, the energy store is available as an additional energy source for the preparation of shower water.

IPC 8 full level

F24H 1/00 (2006.01); **A47K 7/08** (2006.01); **F24H 1/12** (2006.01); **E03D 9/08** (2006.01); **F24D 17/00** (2006.01)

CPC (source: EP US)

F24D 17/0089 (2013.01 - EP US); **F24H 1/121** (2013.01 - EP US); **E03D 9/08** (2013.01 - EP US); **F24D 17/0073** (2013.01 - EP US)

Cited by

EP3141668A1; DE202015006214U1; DE202015007909U1; EP3170940A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2011154564 A1 20110630; **US 9021623 B2 20150505**; CN 102108732 A 20110629; CN 102108732 B 20141217; DK 2357423 T3 20141027; EP 2357423 A1 20110817; EP 2357423 B1 20140730; ES 2507516 T3 20141015; HR P20140985 T1 20141121; PL 2357423 T3 20141231; PT 2357423 E 20140929; SI 2357423 T1 20141128

DOCDB simple family (application)

US 97629610 A 20101222; CN 201010605174 A 20101224; DK 09405232 T 20091224; EP 09405232 A 20091224; ES 09405232 T 20091224; HR P20140985 T 20141014; PL 09405232 T 20091224; PT 09405232 T 20091224; SI 200931039 T 20091224