

Title (en)

MIXER WITH DISINFECTION OF LEGIONELLA

Title (de)

MISCHER MIT DESINFEKTION VON LEGIONELLA

Title (fr)

MÉLANGEUR AVEC DÉSINFECTION DE LÉGIONELLES

Publication

EP 3272952 A1 20180124 (EN)

Application

EP 17181677 A 20170717

Priority

IT 201600075076 A 20160718

Abstract (en)

A mixer for delivering cold water, hot water and mixed water in sanitary systems, provided with a device for disinfection of legionella. The mixer comprises a hollow body (10) having a cold water inlet (12), a hot water inlet (11), a delivery spout (17), and a mixing cartridge (15) inserted into a sleeve (20, 21) sealingly housed in the body (10) of the mixer. The sleeve comprises a peripheral wall (20) and a transverse wall (21) configured with an annular sealing seat (22) for a valving member (23) arranged coaxially to the cartridge (15), in a branched path (P) between the hot water inlet (11) and the cold water inlet (12). The valving member (23) can be driven from the exterior by a manual tool (35) that is insertable through an aperture (34), closed by a removable cover (25); the tool (35) is configured so as to prevent the extraction thereof during a step of thermal disinfection of the mixer.

IPC 8 full level

E03C 1/02 (2006.01); **E03C 1/04** (2006.01)

CPC (source: EP)

E03C 1/023 (2013.01); **E03C 1/0404** (2013.01); **E03C 2201/30** (2013.01); **E03C 2201/40** (2013.01)

Citation (applicant)

- EP 0947902 A2 19991006 - BRISTAN LIMITED [GB]
- EP 1739333 A1 20070103 - ESBE AB [SE]
- WO 9012351 A1 19901018 - HORNE ENGINEERING CO LTD [GB]
- EP 0076717 A1 19830413 - CHAMPION ROGER [FR], et al
- GB 2451800 A 20090218 - BRISTAN GROUP LTD [GB]
- WO 2014136001 A1 20140912 - IVAR SPA [IT]

Citation (search report)

- [AD] GB 2451800 A 20090218 - BRISTAN GROUP LTD [GB]
- [A] EP 0947902 A2 19991006 - BRISTAN LIMITED [GB]
- [A] EP 1739333 A1 20070103 - ESBE AB [SE]
- [A] WO 9012351 A1 19901018 - HORNE ENGINEERING CO LTD [GB]
- [A] EP 0076717 A1 19830413 - CHAMPION ROGER [FR], et al

Cited by

DE102019213475A1; IT202200011708A1; CN110526466A; CN115475262A; DE102019213475B4; US11697929B2

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 3272952 A1 20180124; EP 3272952 B1 20190227; AU 2017206145 A1 20180201; IT 201600075076 A1 20180118

DOCDB simple family (application)

EP 17181677 A 20170717; AU 2017206145 A 20170717; IT 201600075076 A 20160718