

Title (en)

MIXING DEVICE WITH CONNECTOR FOR SIMULTANEOUS INTERNAL AND EXTERNAL CLEANING

Title (de)

MISCHEINHEIT MIT ANSCHLUSSKONNEKTOR FÜR GLEICHZEITIGE INNEN UND AUSSENREINIGUNG

Title (fr)

MÉLANGEUR AVEC CONNECTEUR POUR LE NETTOYAGE INTERNE ET EXTERNE SIMULTANÉS

Publication

**EP 3028777 B1 20200212 (DE)**

Application

**EP 15003320 A 20151121**

Priority

DE 102014017420 A 20141125

Abstract (en)

[origin: US2016158713A1] A mixing unit for ready-to-use flushing solutions with a mixing chamber, with which conduits for ultrapure water and for concentrate communicate, in order to form a ready-to use flushing solution therein is characterised in that the concentrate is filled into a concentrate bag, which is provided with a concentrate bag connector, which is connectable to a connector on the mixing unit, that the connector on the mixing unit is covered by a pivotal concentrate valve in its closed state so that a sealed flushing space is defined around the connector and that a flushing liquid conduit communicates with the connector on the mixing unit so that flushing liquid is conveyable into the flushing space, which can completely clean the connector internally and externally.

IPC 8 full level

**B08B 3/04** (2006.01); **B08B 9/00** (2006.01); **B08B 9/02** (2006.01); **B08B 9/023** (2006.01); **B08B 9/027** (2006.01); **B08B 9/032** (2006.01); **B08B 3/08** (2006.01); **B08B 3/10** (2006.01)

CPC (source: EP US)

**B01F 23/49** (2022.01 - US); **B01F 35/2117** (2022.01 - US); **B01F 35/2217** (2022.01 - US); **B01F 35/713** (2022.01 - US); **B01F 35/7176** (2022.01 - US); **B01F 35/718051** (2022.01 - US); **B08B 3/04** (2013.01 - EP US); **B08B 9/00** (2013.01 - EP US); **B08B 9/021** (2013.01 - EP US); **B08B 9/023** (2013.01 - EP US); **B08B 9/027** (2013.01 - EP US); **B08B 9/032** (2013.01 - EP US); **B08B 9/0321** (2013.01 - EP US); **B01F 23/483** (2022.01 - US); **B08B 3/08** (2013.01 - EP US); **B08B 3/10** (2013.01 - EP US)

Citation (examination)

- US 2005171501 A1 20050804 - KELLY THOMAS [US]
- DE 4121568 A1 19921029 - SCHERING AG [DE]

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

DOCDB simple family (publication)

**EP 3028777 A1 20160608**; **EP 3028777 B1 20200212**; DE 102014017420 A1 20160525; US 10406489 B2 20190910; US 2016158713 A1 20160609

DOCDB simple family (application)

**EP 15003320 A 20151121**; DE 102014017420 A 20141125; US 201514950237 A 20151124