

Title (en)  
Mixing device for liquids

Title (de)  
Mischvorrichtung für Flüssigkeiten

Title (fr)  
Dispositif de mélange de liquides

Publication  
**EP 1892032 A1 20080227 (DE)**

Application  
**EP 06017718 A 20060825**

Priority  
EP 06017718 A 20060825

Abstract (en)  
The mixing device for dilution of cleaning and disinfecting concentrate with water in a defined mixing ratio for large kitchens, comprises a water inlet (1, 2), a container (5) for the reception of the concentrate, a regulation screw equipped with a fixing ring for adjusting the mixing ratio, a suction tube (52) for the connection of concentrate container having a check valve with a weight, a plug connector for connecting a water pistol to a connection tube, a mixer tap for exact water temperature control, a proportional mixer equipped with piston, and a pressure regulator (12, 22). The mixing device for dilution of cleaning and disinfecting concentrate with water in a defined mixing ratio for large kitchens, comprises a water inlet (1, 2), a container (5) for the reception of the concentrate, a regulation screw equipped with a fixing ring for adjusting the mixing ratio, a suction tube (52) for the connection of the container having a check valve with a weight, a plug connector for connecting a water pistol to a connection tube, a mixer tap for exact water temperature control, a proportional mixer equipped with a piston, a pressure regulator (12, 22), and a system separator (11, 21). The mixing is carried out by the proportional mixers. The regulation screw is a component of an adapter having a suction valve spring, a suction valve cover and/or a connection head for the suction tube. The mixing device is integrated into a lockable and wall mountable cabinet.

Abstract (de)  
Die Erfindung betrifft eine Mischvorrichtung für Flüssigkeiten, insbesondere zur Verdünnung von Reinigungs- und Desinfektionsmittelkonzentraten mit mindestens einem Wasserzulauf (1, 2) sowie mindestens einem Behälter (5) für die Aufnahme von Reinigungs- oder Desinfektionskonzentrat, wobei die Mischung mittels eines stromlos betreibbaren Proportionalmischers erfolgt, und eine Regulierungsschraube mit einem Feststellring (411) zur Einstellung des Mischungsverhältnisses vorgesehen ist.

IPC 8 full level  
**B01F 3/08** (2006.01); **B01F 5/04** (2006.01); **B01F 15/04** (2006.01); **G05D 11/00** (2006.01)

CPC (source: EP)  
**B01F 23/451** (2022.01); **B01F 23/483** (2022.01); **B01F 23/49** (2022.01); **B01F 25/312** (2022.01); **B01F 35/83** (2022.01); **B01F 2101/24** (2022.01)

Citation (search report)  
• [XAY] US 5427151 A 19950627 - PAULEY STEPHEN J [US]  
• [XAY] DE 202004009297 U1 20040909 - MAX WIDENMANN KG ARMATURENFABR [DE]  
• [XAY] US 4738541 A 19880419 - WEBER KLAUS [DE]  
• [YAY] DE 2756152 A1 19790705 - INTERESCO INT RES

Cited by  
CN108823650A; CN114533919A; CN112877178A; CN105214530A; DE202011005644U1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

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