

Title (en)

DEVICE FOR METERING AN ADDITIVE INTO A FLUID

Title (de)

VORRICHTUNG ZUR DOSIERUNG EINES ZUSATZSTOFFS ZU EINEM FLUID

Title (fr)

DISPOSITIF POUR AJOUTER DE MANIÈRE DOSÉE UN ADDITIF À UN FLUIDE

Publication

EP 4178400 A1 20230517 (DE)

Application

EP 21739695 A 20210707

Priority

- EP 20185351 A 20200710
- EP 2021068772 W 20210707

Abstract (en)

[origin: WO2022008569A1] The invention relates to a device (100) for metering an additive into a fluid, containing a valve body (101), a fluid inlet (102), and a fluid outlet (103). A first channel system extends between the fluid inlet (102) and the fluid outlet (103) in the valve body (101), and a second channel system extends between the fluid inlet (102) and the fluid outlet (103) in the valve body (101) such that in the operating state fluid can flow from the fluid inlet (102) to the fluid outlet (103) either through the first channel system or through the second channel system. The valve body (101) contains a docking element (120) which is designed for docking a cartridge (11) for an additive. A switchover device (104) is provided which can be switched if the cartridge (11) is docked such that the second channel system is fluidically connected to the cartridge (11) when the cartridge (11) is connected to the docking element (120).

IPC 8 full level

A47J 31/46 (2006.01); **A47J 31/60** (2006.01)

CPC (source: EP KR US)

A47J 31/461 (2018.08 - EP KR); **A47J 31/60** (2013.01 - EP KR US); **C02F 5/08** (2013.01 - US); **B01D 35/153** (2013.01 - US); **C02F 2201/004** (2013.01 - US); **C02F 2201/005** (2013.01 - US); **C02F 2201/006** (2013.01 - US); **Y02T 10/12** (2013.01 - EP); **Y10T 137/4891** (2015.04 - US)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022008569 A1 20220113; AU 2021306623 A1 20230202; CA 3180061 A1 20220113; CN 115697145 A 20230203; EP 4178400 A1 20230517; KR 20230036104 A 20230314; US 2023234868 A1 20230727

DOCDB simple family (application)

EP 2021068772 W 20210707; AU 2021306623 A 20210707; CA 3180061 A 20210707; CN 202180042443 A 20210707; EP 21739695 A 20210707; KR 20237000777 A 20210707; US 202118008921 A 20210707