

Title (en)
DOSING SYSTEM FOR ADJUSTING A DOSING VOLUME OF A FLOWABLE MEDIUM, AND SYRINGE ADAPTER AS A COMPONENT OF SUCH A DOSING SYSTEM

Title (de)
DOSIERSYSTEM ZUR EINSTELLUNG EINES DOSIERVOLUMENS EINES FLIEßFÄHIGEN MEDIUMS SOWIE SPRITZENADAPTER ALS BESTANDTEIL EINES DERARTIGEN DOSIERSYSTEMS

Title (fr)
SYSTÈME DE DOSAGE POUR RÉGLAGE D'UN VOLUME DE DOSAGE D'UN MILIEU FLUIDE, ET ADAPTATEUR DE SERINGUE EN TANT QUE COMPOSANT D'UN TEL SYSTÈME DE DOSAGE

Publication
EP 4329845 A1 20240306 (DE)

Application
EP 22721311 A 20220407

Priority
• DE 102021204338 A 20210430
• EP 2022059183 W 20220407

Abstract (en)
[origin: WO2022228848A1] A dosing system is intended for adjusting a dosing volume of a flowable medium. The dosing system comprises a dosing syringe (1) which has a syringe body (3) and a dosing plunger (4). A stop device is intended for adjustably limiting a stroke of the dosing plunger (4) in the syringe body (3), which stroke takes place along a central longitudinal axis of the dosing syringe (1). The syringe body (3) has an end-face syringe cone (17) that has a dispensing opening (18) for the medium to be dosed. An external lateral wall of the syringe cone (17) comprises at least one rib (20), which is elevated above a main cone surface of the external lateral wall by a radial rib height. A syringe adapter as a component of a dosing system, comprising a dosing syringe (1) for adjusting a dosing volume of a flowable medium, is intended to connect the dosing syringe (1) to a container for supplying or removing the medium. The syringe adapter has a fluid channel for producing a flow connection between an interior of the container and an interior of the syringe body (3), wherein the fluid channel is delimited by a silicone sleeve portion. An internal diameter of the fluid channel is delimited by a silicone circumferential lip of the sleeve portion. A dosing system results in which the risk of incorrect operation is reduced. The syringe adapter ensures a secure seal of the fluid channel with respect to an external lateral wall of the dosing syringe of the dosing system.

IPC 8 full level
A61M 5/315 (2006.01); **A61J 1/20** (2006.01); **A61M 39/10** (2006.01); **B65D 47/32** (2006.01)

CPC (source: EP IL)
A61J 1/2027 (2015.05 - EP IL); **A61J 1/2075** (2015.05 - EP IL); **A61J 1/2096** (2013.01 - EP IL); **A61M 5/31536** (2013.01 - EP IL); **A61M 2005/31508** (2013.01 - EP IL); **A61M 2005/3154** (2013.01 - EP IL); **A61M 2039/1094** (2013.01 - EP IL)

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)
DE 102021204338 A1 20221103; CN 117677415 A 20240308; EP 4329845 A1 20240306; IL 308028 A 20231201; WO 2022228848 A1 20221103

DOCDB simple family (application)
DE 102021204338 A 20210430; CN 202280031742 A 20220407; EP 2022059183 W 20220407; EP 22721311 A 20220407; IL 30802823 A 20231025