

Title (en)
VETERINARY SYRINGE

Title (de)
VETERINÄRMEDIZINISCHE SPRITZE

Title (fr)
SERINGUE VÉTÉRINAIRE

Publication
EP 4387563 A1 20240626 (DE)

Application
EP 22834876 A 20221207

Priority
• DE 102021134598 A 20211223
• EP 2022084760 W 20221207

Abstract (en)
[origin: CA3239985A1] The invention relates to a veterinary syringe comprising a main part (2) which comprises a syringe cylinder (3) that has a front dispensing end (4) and a rear end (11) for receiving fluid to be dispensed, a piston rod (8) which has a front end section (9) with a piston (K) that is movably arranged in the syringe cylinder (3) along a movement direction (10), and a connection (26) for connecting to a fluid reservoir, wherein a fluidic connection is provided from the connection (26) to the syringe cylinder (3) through a supply channel (20) in the piston rod (8), and the piston rod (8) has a non-return valve (22) in the front end section (9) of the piston rod, said non-return valve blocking the fluidic connection and opening same only when the pressure in the supply channel (20) lies above the pressure in the syringe cylinder (3) by a specified value. The piston (K) is releasably connected to the front end section (9), and after the piston is released from the end section (9), the non-return valve can be accessed for maintenance purposes. An actuatable securing element (79, 85) is designed to prevent an accidental release of the piston (K) in that a release of the piston (K) from the front end section (9) is only possible after the securing element (79, 85) has been actuated.

IPC 8 full level
A61D 7/00 (2006.01); **A61M 5/20** (2006.01)

CPC (source: EP KR)
A61D 7/00 (2013.01 - EP KR); **A61M 5/20** (2013.01 - EP KR); **A61M 5/204** (2013.01 - EP KR); **A61M 5/31511** (2013.01 - EP KR); **A61M 39/24** (2013.01 - KR); **A61M 39/24** (2013.01 - EP); **A61M 2005/2073** (2013.01 - EP KR); **A61M 2005/3128** (2013.01 - EP KR)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021134598 A1 20230629; AR 128084 A1 20240320; AU 2022420374 A1 20240411; CA 3239985 A1 20230629; CN 118369069 A 20240719; EP 4387563 A1 20240626; KR 20240056755 A 20240430; MX 2024003867 A 20240419; TW 202333634 A 20230901; WO 2023117426 A1 20230629

DOCDB simple family (application)
DE 102021134598 A 20211223; AR P220103569 A 20221223; AU 2022420374 A 20221207; CA 3239985 A 20221207; CN 202280075130 A 20221207; EP 2022084760 W 20221207; EP 22834876 A 20221207; KR 20247012128 A 20221207; MX 2024003867 A 20221207; TW 111149539 A 20221222