

Title (en)

PIPETTING DEVICE WITH AN EASILY REPLACEABLE MAGNET PISTON

Title (de)

PIPETTIERVORRICHTUNG MIT EINFACH AUSTAUSCHBAREM MAGNETKOLBEN

Title (fr)

DISPOSITIF DE PIPETAGE À PISTON MAGNÉTIQUE FACILEMENT REMPLAÇABLE

Publication

EP 3528952 A1 20190828 (DE)

Application

EP 17790987 A 20171011

Priority

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- EP 2017075953 W 20171011

Abstract (en)

[origin: WO2018073074A1] The invention relates to a pipetting device for aspirating and dispensing metering liquids, comprising the following: - at least one guide tube (30) which extends along a cylinder axis (Z), said cylinder axis (Z) defining an axial direction that runs along the longitudinal direction of the cylinder axis, a radial direction that runs orthogonally thereto, and a circumferential direction that runs circumferentially around the cylinder axis, - a piston (10) which is received in the guide tube (30) in an axially movable manner relative to the guide tube, - a coupling formation which is designed to temporarily or permanently couple a pipetting tip, and - a drive device (32) for driving the piston (10) in an axial direction relative to the guide tube (30), wherein the guide tube (30) has a coupling-side longitudinal end (48) which is positioned closer to the coupling formation and a maintenance-side longitudinal end (50) which is opposite the coupling-side longitudinal end (48) and which is positioned farther from the coupling formation. The piston (10) comprises at least one permanent magnet (14a,... 14m), and the drive device (32) has a coil assembly (32) which at least partly surrounds the guide tube (30) in the circumferential direction and which can be energized. The maintenance-side longitudinal end (50) of the guide tube (30) is open or is closed in an openable manner by a lid (52) which is intended to be releasable such that a piston (10) removal longitudinal end (54) positioned closer to the maintenance-side longitudinal end (50) of the guide tube (30) can be moved axially out of the guide tube by an external magnetic field.

IPC 8 full level

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Citation (search report)

See references of WO 2018073074A1

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