

Title (en)
PIPETTE WITH ADJUSTABLE VOLUME

Title (de)
PIPETTE MIT EINSTELLBAREM DOSIERVOLUMEN

Title (fr)
PIPETTE À VOLUME DE DOSAGE RÉGLABLE

Publication
EP 3778028 B1 20211006 (DE)

Application
EP 19191903 A 20190815

Priority
EP 19191903 A 20190815

Abstract (en)
[origin: US2021046471A1] A pipette with an adjustable dosing volume comprises a housing connected to at least one seat configured to releasably hold a pipette tip. A displacement device is positioned within the housing and configured to aspirate and discharge liquid from the pipette tip. A stroke rod is coupled to the displacement element and configured to be longitudinally displaced relative to the housing to displace the displacement device. A catch sleeve is rotatably mounted within the housing and is connected to the stroke rod. An adjusting sleeve configured to engage a transducer shaft that is rotatably mounted within the housing and comprises a countershaft of a gearbox that is configured to be shifted between different shift stages. Each shift stage comprises different gear ratios between a rotational speed of the adjusting sleeve and a rotational speed of the catch sleeve. The different gear ratios enable coarse volume adjustment and fine volume adjustment.

IPC 8 full level
B01L 3/02 (2006.01)

CPC (source: CN EP US)
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Cited by
EP4134166A1

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DOCDB simple family (publication)
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