

Title (en)
MULTICHANNEL PIPETTE HEAD

Title (de)
MEHRKANALPIPETTIERKOPF

Title (fr)
TÊTE DE PIPETAGE À CANAUX MULTIPLES

Publication
EP 3932557 B1 20231115 (DE)

Application
EP 20183723 A 20200702

Priority
EP 20183723 A 20200702

Abstract (en)
[origin: CN113877647A] A multichannel pipetting head comprises a horizontal plunger actuator comprising at least one groove with an upper boarder, a lower boarder, and a lateral opening; a drive rod for shifting the piston manipulator in the vertical direction, piston-cylinder units, with each comprising a hollow cylinder and a piston which engages therein from above and is sealed relative to the cylinder, said piston engaging with a piston head through the opening into the groove; a guide device which can be moved along a horizontal axis, on each guide device holding the cylinder body and a pin which protrudes downward, is hollow and is connected to a through-hole in the lower end of the cylinder body, wherein each piston head has an extended upper contact position on the upper side, which contacts the upper delimiting portion, and an extended lower contact position on the lower side, which is offset laterally from the upper contact position and contacts the lower delimiting portion.

IPC 8 full level
B01L 3/02 (2006.01)

CPC (source: CN EP US)
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