

Title (en)

WRITING UNIT FOR A CARTRIDGE FOUNTAIN PEN.

Title (de)

SCHREIBEINHEIT FÜR EINEN PATRONENFÜLLHALTER.

Title (fr)

UNITE D'ECRITURE POUR STYLOGRAPHE A CARTOUCHE.

Publication

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Application

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Priority

DE 4018598 A 19900609

Abstract (en)

[origin: WO9119615A1] The invention concerns a writing unit for a cartridge fountain pen, with a nib (1), a gripping-piece (2) and an ink-feed unit (3). The ink-feed unit (3) has lamella-like ink-holding chambers (3e). A capillary channel (3a) passes longitudinally along the whole length of the ink-feed unit (3) on the nib side of the ink-feed unit (3). An air channel (3c) extends out radially from the capillary channel (3a). So that ink does not drip out of the slit in the nib, particularly when the ambient temperature varies considerably, and to ensure that the ink-feed unit is suitable for broad-lettered writing, the writing unit is designed so that the air channel (3c) extends longitudinally over the whole length of the ink-holding chambers (3e) up to a control line (3g) which is formed at the end of the chambers (3e) nearest the nib (1) and which acts as a liquid valve. The air channel (3c) is delimited in the radial direction by a surface opposite the capillary channel (3a), and the air channel (3c) extends, on the side opposite the capillary channel (3a), up to overflow capillaries (3d) linked to the ink-holding chambers (3e) so that liquid can flow between the two.

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