

Title (en)

INK CARTRIDGE WITH IMPROVED VOLUMETRIC EFFICIENCY

Title (de)

TINTENPATRONE MIT VERBESSERTEM VOLUMETRISCHEM WIRKUNGSGRAD

Title (fr)

CARTOUCHE A ENCRE AVEC UNE EFFICACITE VOLUMETRIQUE AMELIOREE

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Application

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Priority

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Abstract (en)

[origin: WO9716314A1] A cartridge for delivering and containing ink contains an ink retention cavity (16), a first zone (14) adjacent to the ink retention zone (16) with a means (13) for introducing the liquid ink from the ink retention cavity (16) into the first zone (14), a second zone (12) being extended from the first zone (14) and an egress port (18). The degree of capillarity in the first zone (14) is greater than the degree of capillarity in the second zone (12). The degree of capillarity in the second zone (12) is greater than that in the ink retention cavity (16). The first and second zones contain a vacuum-producing material. Since the cartridge of the invention uses capillarity in the regulation of the flow of the ink, it can be used at any orientation without leakage.

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