

Title (en)
MEDICAMENT CARTRIDGE

Title (de)
MEDIKAMENTENKARTUSCHE

Title (fr)
CARTOUCHE DE MEDICAMENT

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Application
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Abstract (en)
[origin: WO0130423A1] The present invention discloses a medicament cartridge (10) for an injection device, such as a syringe or a jet injector. The medicament cartridge (10) according to the present invention includes a tubular member (12) having a lumen (18), a needle (20) operatively associated with an end of the tubular member (12) and having a piercing end (22) extending into the lumen (18), a first stopper (28) located within the lumen near the other end of the tubular member (12) and slidable within the lumen (18), and a flexible member (26) located within the lumen (18) and covering the piercing end (22) of the needle (20). Examples of suitable flexible members include a flexible membrane (26), a cap (46) having a base (48) with a collapsible portion (50), and the like. The compression of the medicament flexes the flexible member (26) into contact with the piercing end (22) of the needle (20) so that the piercing end pierces the flexible member (26) to thereby create a fluid pathway for the medicament through the needle (20).

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Citation (search report)
• [XY] DE 882600 C 19530709 - KIESL ALFONS
• [Y] US 1288174 A 19181217 - PITTENGER PAUL S [US]
• [XY] US 3308821 A 19670314 - SHIELDS WALTER A
• [Y] US 4171698 A 19791023 - GENESE JOSEPH N [US]
• [X] US 4051850 A 19771004 - TISCHLINGER EDWARD A
• [A] US 4072149 A 19780207 - TISCHLINGER EDWARD A
• See references of WO 0130423A1

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