

Title (en)
LOCAL ANESTHETIC AND DELIVERY INJECTION UNIT WITH AUTOMATED RATE CONTROL

Title (de)
LOKALANÄSTHETIKUM UND INJEKTIONSGERÄT MIT AUTOMATISCHER GESCHWINDIGKEITSREGELUNG

Title (fr)
ANESTHESIQUE LOCAL ET UNITE D'INJECTION A REGULATION AUTOMATIQUE DE DEBIT

Publication
EP 1427459 A4 20060816 (EN)

Application
EP 01964610 A 20010816

Priority
US 0141746 W 20010816

Abstract (en)
[origin: CA2457110A1] An improved injection device (10) is operated in a manual mode in which it delivers a liquid drug to a patient at a rate determined all the time by a control member (118) and a cruise control mode in which the preselected rate is maintained by the controller (102) after the control member (118) is released by a clinician. The control member (118) may be used to select one of two liquid delivery rates, or alternatively a delivery rate may be selected which may have values between an upper and lower limit. If the device is operated in the cruise control mode, an override switch (106B, 120, 122) must be activated to reset the rate.

IPC 8 full level
A61M 1/00 (2006.01); **A61M 5/00** (2006.01)

CPC (source: EP)
A61M 5/00 (2013.01); **A61M 5/145** (2013.01); **A61M 5/16804** (2013.01)

Citation (search report)

- [X] US 5690618 A 19971125 - SMITH MARK TIMOTHY [CA], et al
- See references of WO 03015847A1

Designated contracting state (EPC)
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CA 2457110 A1 20030227; CN 1273201 C 20060906; CN 1547491 A 20041117; EP 1427459 A1 20040616; EP 1427459 A4 20060816

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CA 2457110 A 20010816; CN 01823638 A 20010816; EP 01964610 A 20010816