

Title (en)

NEEDLE ASSEMBLY WITH SHEATH AND METHOD OF FILLING A DRUG DELIVERY DEVICE

Title (de)

NADELANORDNUNG MIT SCHUTZHÜLLE UND METHODE ZUM BEFÜLLEN EINER MEDIKAMENTENABGABEVORRICHTUNG

Title (fr)

ENSEMBLE AIGUILLE ET GAINÉ ET PROCÉDE DE REMPLISSAGE D'UN DISPOSITIF DE DISTRIBUTION DE MÉDICAMENTS

Publication

EP 1267967 A2 20030102 (EN)

Application

EP 01915519 A 20010328

Priority

- GB 0101371 W 20010328
- US 19288500 P 20000329

Abstract (en)

[origin: WO0172353A2] A needle assembly has a needle holder (10) that holds a needle (20) and a sheath (30). The sheath has a needle compartment that accommodates the needle and any spilled drug flowing from the needle. The sheath and the needle holders are detachable. The sheath has an opening communicating with the needle compartment. A liquid barrier (LB), which can comprise a hydrophobic membrane (HM), is positioned in the first opening, blocking the first opening. The liquid barrier allows gas to escape through the first opening but prevent liquid from leaking through the first opening during drug filling stage. In use, the sheath is positioned over the needle of a drug delivery device. The drug delivery device is filled through a separate port until its drug reservoir is completely filled, which is accomplished by filling until the drug spills out through the needle. The sheath maintains the spilled drug within the needle compartment, while air bubbles escape through the liquid barrier.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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