

Title (en)
SYRINGE WITH RETRACTABLE NEEDLE ASSEMBLY

Title (de)
SPRITZE MIT ZURÜCKZIEHBARER NADELEINRICHTUNG

Title (fr)
SERINGUE A ENSEMBLE D'AIGUILLE ESCAMOTABLE

Publication
EP 1239900 A4 20070606 (EN)

Application
EP 00989257 A 20001213

Priority
• US 0033897 W 20001213
• US 9929541 W 19991213

Abstract (en)
[origin: WO0141843A1] A disposable, single use syringe comprised of a hollow body, a retractable needle assembly positioned in the hollow body, and a plunger assembly in the hollow body. The plunger assembly includes an elongated frame portion including at least one guide track between its ends. A retraction member is releasably secured to one end of the frame and a catch member, including a catch tip, is positioned with a guide configured to travel in the plunger frame guide track. An elastomeric member extends between the retraction member and the catch member. A retention assembly depends from the opposite end of the plunger frame and is configured to receive and secure the catch tip and thereby tension the elastomeric member. The needle assembly and the retraction member have complimentary mating members, whereby the tension on the elastomeric member is released when the needle assembly and the retraction member mate and the injection means is drawn into the hollow body. A method of manufacture is also provided.

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A61M 5/00

IPC 8 full level
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CPC (source: EP)
A61M 5/3234 (2013.01); **A61M 2005/3241** (2013.01)

Citation (search report)
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• [A] FR 2673844 A1 19920918 - GHERRAK ELIE
• [A] US 5395337 A 19950307 - CLEMENS ANTON H [US], et al
• [A] US 5267961 A 19931207 - SHAW THOMAS J [US]
• [A] US 5211628 A 19930518 - MARSHALL JOHN M [US]
• See references of WO 0141830A2

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WO 0141843 A1 20010614; AU 2178700 A 20010618; AU 2579201 A 20010618; AU 782441 B2 20050728; CA 2394328 A1 20010614; CA 2394351 A1 20010614; CA 2394351 C 20091117; EP 1239900 A2 20020918; EP 1239900 A4 20070606; EP 1239904 A1 20020918; JP 2003516195 A 20030513; JP 2003521974 A 20030722; WO 0141830 A2 20010614; WO 0141830 A3 20010927; WO 0141830 A8 20020620

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