

Title (en)

MULTI-CHAMBERED RETRACTABLE SAFETY SYRINGE

Title (de)

EINZIEHBARE MEHRKAMMER-SICHERHEITSSPRITZE

Title (fr)

SERINGUE DE SÉCURITÉ RÉTRACTABLE À PLUSIEURS CHAMBRES

Publication

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Application

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Priority

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- US 2011045117 W 20110722

Abstract (en)

[origin: WO2012012783A1] A retractable safety syringe may have a needle, needle holder, syringe body, a shaft seal, and a plunger assembly. A proximal portion of the body and a piston of the plunger may define a vacuum chamber. The plunger assembly may comprise a shaft coupled to a piston. The shaft may have at least one non-engaging portion and at least one engaging portion. The plunger assembly is movable between a storage position and working positions. In the storage position, little or no force is exerted on the shaft seal by the non-engaging portion. In the working positions, the engaging portion is in sealing engagement with the shaft seal to seal the vacuum chamber. Stopper movement of the retractable safety syringe may be reduced or eliminated if the retractable safety syringe is prefilled.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [I] US 2008027381 A1 20080131 - SMITH JEFFREY [US], et al
- [A] US 2003187388 A1 20031002 - SHARON IGAL [IL], et al
- [A] WO 03066144 A1 20030814 - HANSEN JEFF [AU], et al
- See references of WO 2012012784A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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