

Title (en)

RETRACTABLE SAFETY SYRINGE WITH NON-LOADED SEAL

Title (de)

EINZIEHBARE SICHERHEITSSPRITZE MIT UNBELASTETER ABDICHTUNG

Title (fr)

SERINGUE DE SÉCURITÉ RÉTRACTABLE COMPORTANT UN JOINT D'ÉTANCHÉITÉ NON CHARGÉ

Publication

**EP 2595682 A4 20140101 (EN)**

Application

**EP 11810503 A 20110722**

Priority

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- US 2011045116 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)

- [X1] US 2007250003 A1 20071025 - BARE REX O [US], et al
- [X1] US 2007250002 A1 20071025 - OLIVER RICHARD B [US]
- [X1] WO 03072181 A1 20030904 - VAN DYKE LEWIS R [US]
- [X1] US 6193695 B1 20010227 - RIPPSTEIN JR WAYLAND J [US]
- See references of WO 2012012783A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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