

(21) Application No: 1509417.0

(22) Date of Filing: 25.11.2013

Date Lodged: 01.06.2015

(30) Priority Data:

(31) 1221086	(32) 23.11.2012	(33) GB
(31) 1222426	(32) 13.12.2012	(33) GB
(31) 1304392	(32) 12.03.2013	(33) GB
(31) 1306062	(32) 04.04.2013	(33) GB
(31) 1306382	(32) 09.04.2013	(33) GB

(86) International Application Data:
PCT/EP2013/074647 En 25.11.2013

(87) International Publication Data:
WO2014/080020 En 30.05.2014

(71) Applicant(s):
New Injection Systems Ltd
Unit 64, Basepoint Business Centre,
70-72 The Havens, Ransomes Europark, IPSWICH,
IP3 9BF, United Kingdom

(72) Inventor(s):
Stephen Dunne

(74) Agent and/or Address for Service:
Reddie & Grose
16 Theobalds Road, LONDON, WC1X 8PL,
United Kingdom

(51) INT CL:
A61M 5/20 (2006.01) A61M 5/28 (2006.01)

(56) Documents Cited:
EP 2436411 A1 WO 2010/022870 A1
US 20120130318 A1

(58) Field of Search:
INT CL A61M
Other: EPO-Internal, WPI Data

(54) Title of the Invention: **Auto-injector assembly**
Abstract Title: **Auto-injector assembly**

(57) An auto-injector assembly comprises a medicament container defining a substantially cylindrical chamber containing a liquid medicament. A proximal end of the chamber is closed by a piston and a distal end of the chamber is closed by a seal spanning an opening. A biasing means, such as a spring, is coupled to the piston and acts to bias the piston towards the seal, thereby pressurising the liquid medicament. The assembly also comprises a hypodermic needle and a removable needle cap for maintaining the hypodermic needle in sterile conditions until use. A means for establishes fluid communication between the chamber and the hypodermic needle such that the pressurised liquid medicament is automatically delivered through the hypodermic needle when communication has been established.

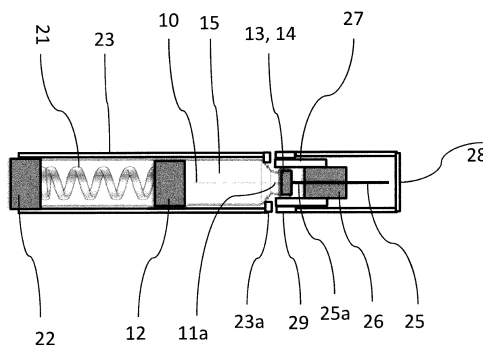


Figure 2