

# Exhibit D



(12) **United States Patent**  
**Moller et al.**

(10) **Patent No.:** **US 8,684,969 B2**  
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(54) **INJECTION DEVICE WITH TORSION SPRING AND ROTATABLE DISPLAY**

(58) **Field of Classification Search**  
USPC ..... 604/131, 134, 135, 181, 207-211, 218,  
604/224, 189  
See application file for complete search history.

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(73) Assignee: **Novo Nordisk A/S**, Bagsvaerd (DK)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **13/626,541**

(22) Filed: **Sep. 25, 2012**

(65) **Prior Publication Data**

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**Related U.S. Application Data**

(63) Continuation of application No. 11/665,571, filed as application No. PCT/EP2005/011287 on Oct. 20, 2005, now Pat. No. 8,357,120.

(60) Provisional application No. 60/626,271, filed on Nov. 9, 2004.

(30) **Foreign Application Priority Data**

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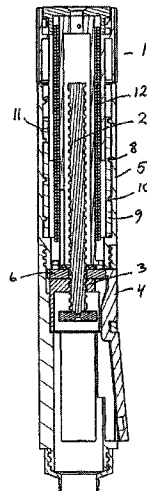
(51) **Int. Cl.**  
**A61M 5/20** (2006.01)

(52) **U.S. Cl.**  
USPC ..... **604/135; 604/207**

(57) **ABSTRACT**

The present invention relates to an injection device comprising a torsion spring operatively connected to a dose setting member being adapted to set a dose to be ejected from the injection device. A rotatably mounted display member adapted to display the dose to be ejected in accordance with a setting of the dose setting member is also provided. The rotatably mounted display member is adapted to be rotated over an angle corresponding to at least one revolution of the display member. The display member may be implemented as a dose indicator barrel having numerals arranged along a helical path on an outer surface thereof, or alternatively, as a counting device having two or more display wheels having numerals arranged on an outer surface thereof.

**26 Claims, 5 Drawing Sheets**



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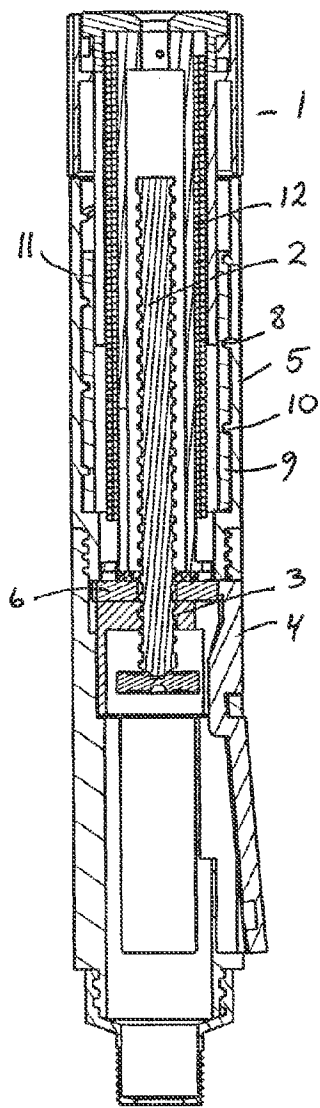


Fig. 1

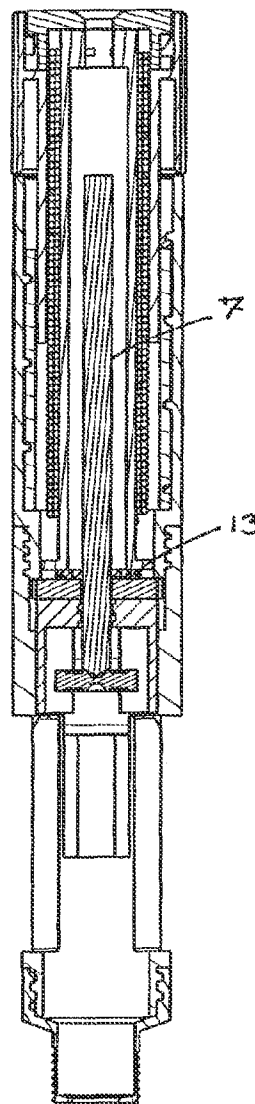


Fig. 2

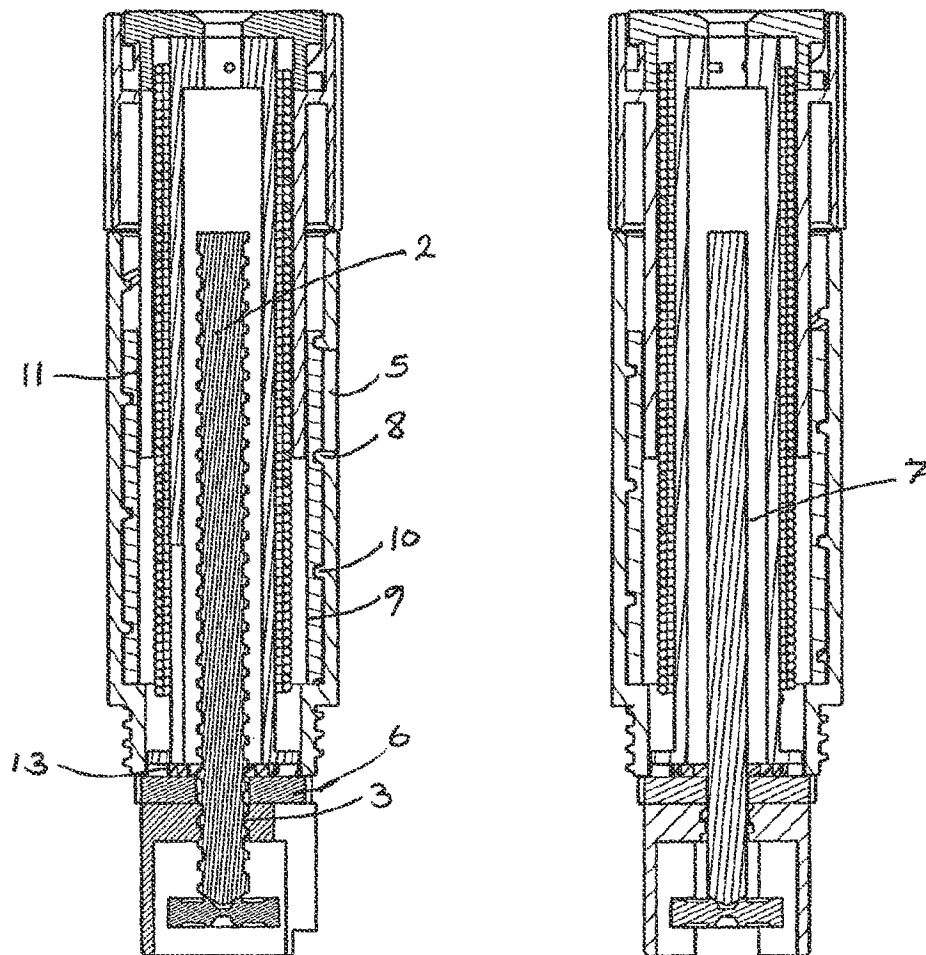


Fig. 3

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