

Exhibit F



(12) **United States Patent**
Markussen

(10) **Patent No.:** **US 9,108,002 B2**
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(54) **AUTOMATIC INJECTION DEVICE WITH A TOP RELEASE MECHANISM**

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Related U.S. Application Data

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(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**

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A61M 5/315 (2006.01)
A61M 5/20 (2006.01)
A61M 5/24 (2006.01)

(52) **U.S. Cl.**

CPC **A61M 5/31525** (2013.01); **A61M 5/20** (2013.01); **A61M 5/31553** (2013.01); **A61M 5/24** (2013.01); **A61M 5/3156** (2013.01); **A61M 5/31583** (2013.01); **A61M 5/31593** (2013.01); **A61M 2005/202** (2013.01)

(58) **Field of Classification Search**

CPC A61M 5/20; A61M 2005/2026; A61M 2005/2073
USPC 604/134-139, 151-153, 187, 207-211
See application file for complete search history.

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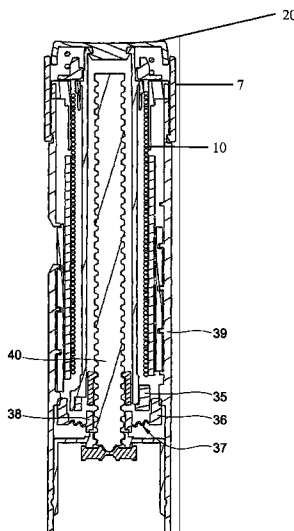
Primary Examiner — Laura Bouchelle

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(57) **ABSTRACT**

The present invention relates to a handheld mechanical injection device by which set doses of a liquid medicament can be injected from a medical reservoir. The medicament is expelled through an injection needle by release of a power reservoir in the device, the power reservoir being fully or partially released by actuation of a user operable release member being positioned at or near an upper end of the injection device, the upper end being that end of the injection device which is opposite the injection needle.

2 Claims, 13 Drawing Sheets



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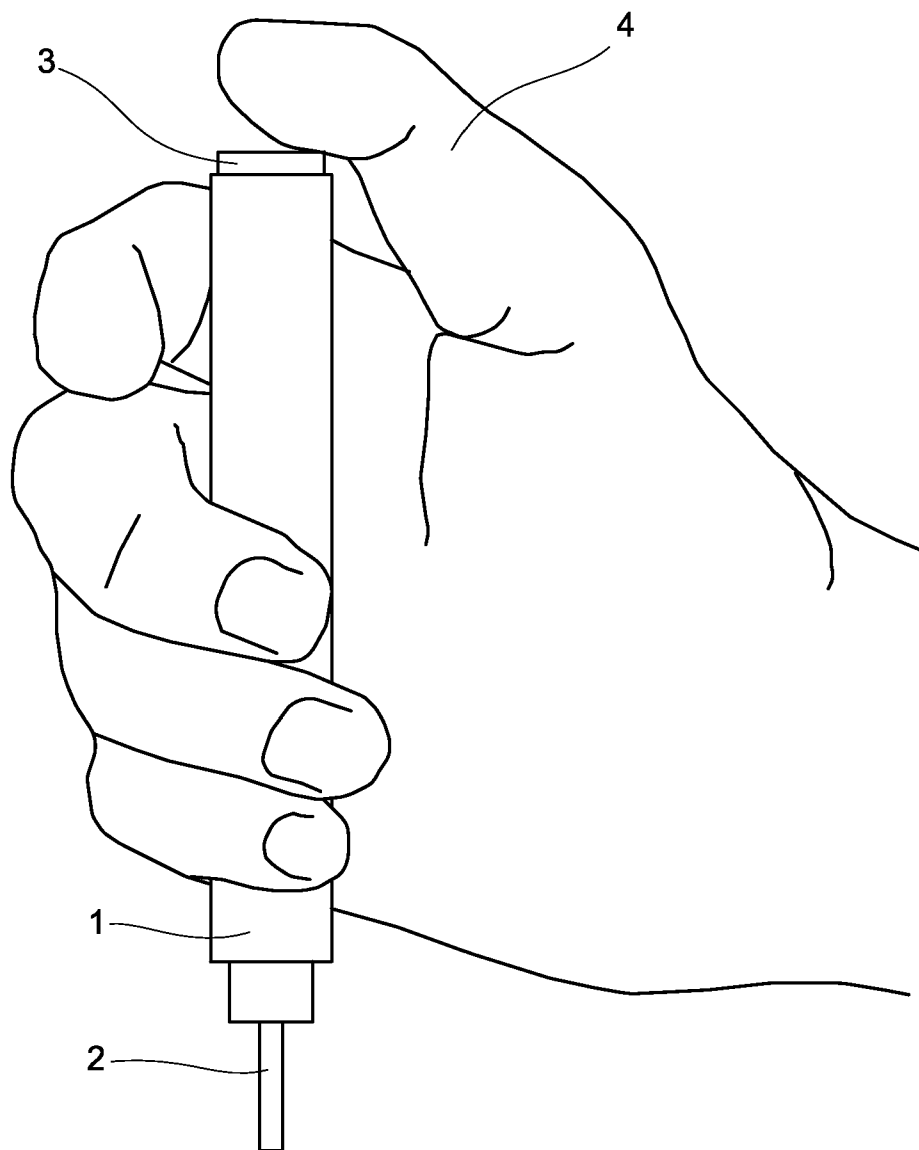


FIG. 1

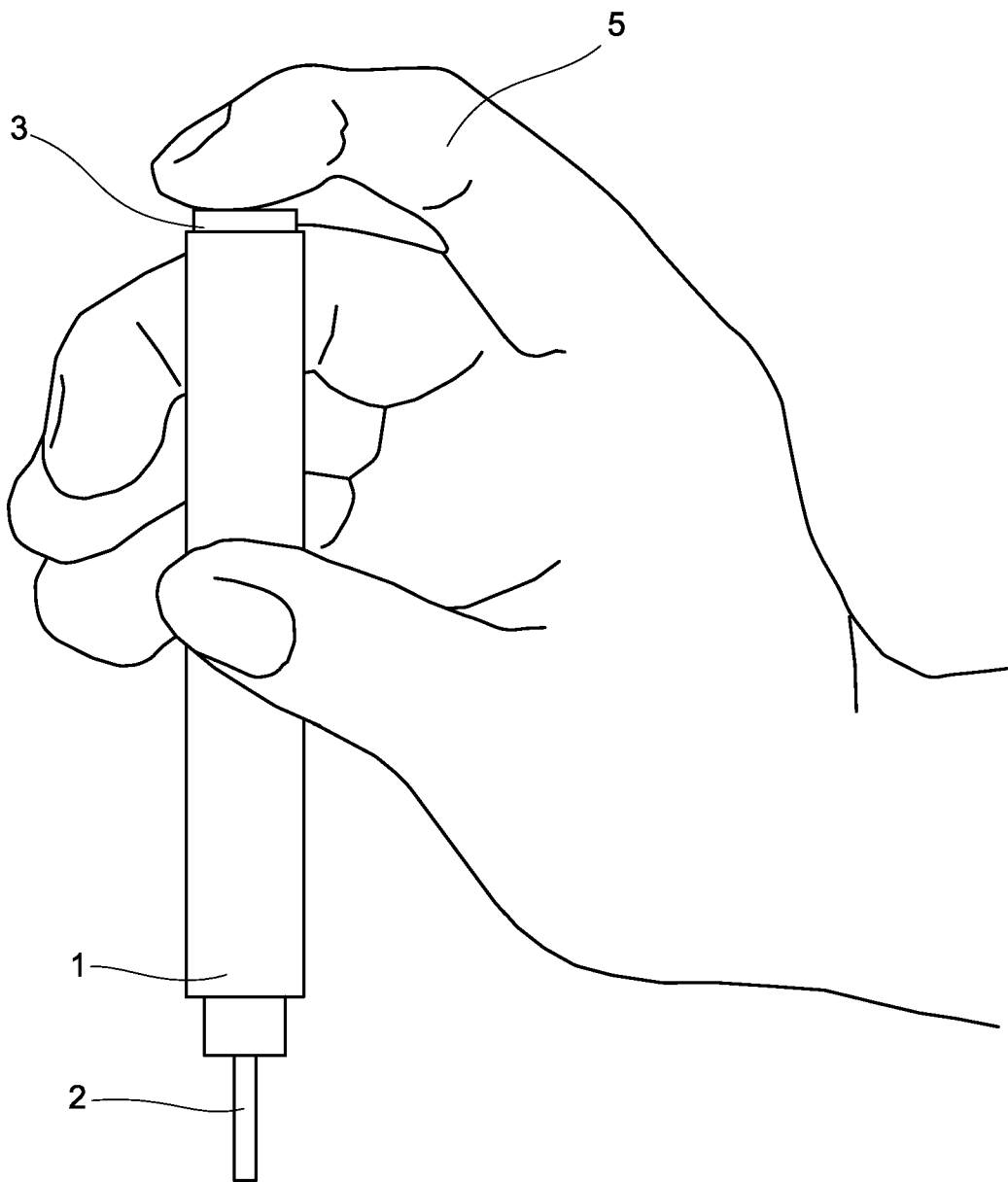


FIG. 2

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