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

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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

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See application file for complete search history.

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(*) 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 dis-
claimer.

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Owen Mumford Product Range.

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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

