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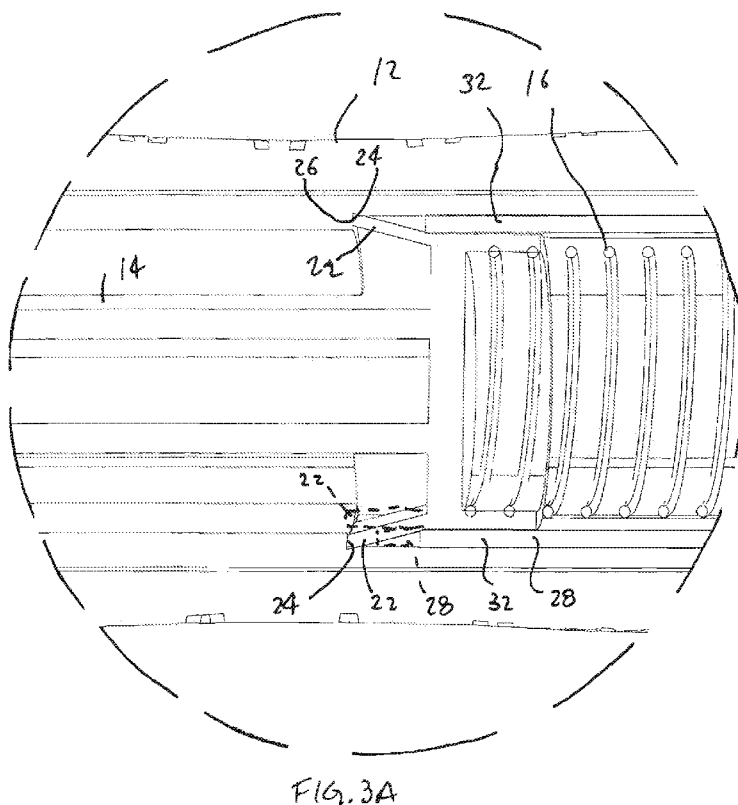
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[Continued on next page]

(54) Title: MEDICAL INJECTOR WITH BUTTON ACTIVATION



(57) Abstract: A medical injector is provided herein which includes a body; a slidable button at least partially disposed in the body; a displaceable plunger disposed in the body; a spring disposed to advance the plunger; and, a releasable retainer for retaining the plunger in a first state against force of the spring. Upon a predetermined extent of sliding movement of the button, the button engages the releasable retainer so as to cause the releasable retainer to release the plunger thus allowing the spring to advance the plunger. Advantageously, the subject invention provides a medical injector having an automated plunger drive which is triggered upon button activation, thereby minimizing premature or failed activations.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, —
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A. CLASSIFICATION OF SUBJECT MATTER*A61M 5/20(2006.01)i, A61M 5/178(2006.01)i, A61M 5/14(2006.01)i*

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

(Chinese Patents and application for patent)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: injector, plunger, spring, retainer

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002-0095120 A1 (LARSEN, ANDRE et al.) 18 July 2002 See Claims 1-10, Figures 1-2	1-4
A	US 6945960 B2 (BARKER, JOHN et al.) 20 September 2005 See Claims 1-19, Figures 1-6	1-4
A	US 5584815 A1 (PAWELKA, GERHARD E. F. et al.) 17 December 1996 See Claims 1-64, Figures 1-24	1-4
A	EP 0630663 A1 (GLORY KIKI CO., LTD.) 28 December 1994 See Abstract, Claims 1-8	1-4



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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