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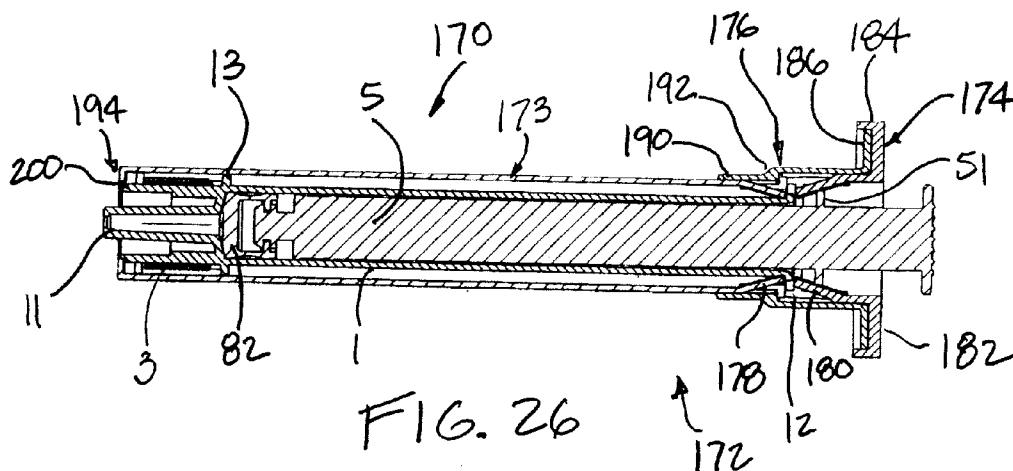
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(57) Abstract: Syringe assemblies are described with at least two co-axially positioned cylinders that move relative to one another by action of a spring. Aspects of the syringe assemblies include a protective unit in which a first cylinder of a first length is attached to a second cylinder of shorter second length. In different embodiments, a protective unit is formed of a single or singularly fabricated cylinder. The different protective units may be used with a syringe in which action of a plunger to push a plunger tip into contact with a distal wall of the syringe cylinder to discharge fluid located inside the syringe but does not immediately release the protective unit relative to the syringe cylinder to shield a needle.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2008/060196**A. CLASSIFICATION OF SUBJECT MATTER****A61M 5/32(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 8

A61M 5/32

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 since 1975

Japanese Utility models and applications for Utility Models since 1975

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

eKIPASS(KIPO internal), DELPHION, "safe syringe, detent, finger and similar terms"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6905478 B2 (BRUCE WALLACE INGRAM et al.) 14 June 2005 See the whole document.	1-23
A	US 5342309 A (RODERICK J. HAUSSEY) 20 August 1994 See the whole document.	1-23
A	US 5423758 (THOMAS J. SHAW) 13 June 1995 See the whole document.	1-23
A	US 6093170 A (KUO-CHI HSU et al.) 25 July 2000 See the whole document.	1-23

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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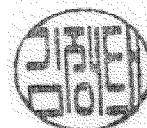
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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