Title: VENTING SYRINGE PLUNGER

Abstract: A venting syringe plunger assembly (100) for use with a syringe system allows for venting of gas from the syringe system during use. The plunger assembly (100) includes a hollow outer sleeve (102) having an interior surface, and an inner stem (104) having an exterior surface. At least a portion of the inner stem (104) is disposed within the outer sleeve (102) so as to be movable (e.g., slidable) within the outer sleeve (102). A venting passageway (106) is defined between the interior surface of the outer sleeve (102) and the exterior surface of the inner stem (104). The plunger assembly (100) also includes means (112) for selectively moving the inner stem (104) within the outer sleeve (102) so as to selectively open and close the venting passageway (106).
### A. CLASSIFICATION OF SUBJECT MATTER

<table>
<thead>
<tr>
<th>IPC(8)</th>
<th>USPC</th>
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<td>A61M 5/00, 3/00 (2007.01)</td>
<td>366/267; 222/387; 604/187, 10</td>
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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 5/00, 3/00 (2007.01)
- USPC - 366/267; 222/387; 604/187, 110

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

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

USPTO EAST System (US, USPG-PUB, EPO, DERWENT)

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>20-21, 24</td>
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<td>Y</td>
<td>US 4,743,229 A (GHU) 10 May 1988 (10.05.1988) entire document</td>
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<td>A</td>
<td>US 5,630,800 A (BLANK et al) 20 May 1997 (20.05.1997) entire document</td>
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Further documents are listed in the continuation of Box C.

### Date of the actual completion of the international search
26 February 2007

### Date of mailing of the international search report
11 JUL 2007

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PCT-GSP: 571-272-7774

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