Abstract: The present embodiments provide for a syringe cartridge system that can be used in combination with multiple couplings and injection systems. The syringe cartridge system can be provided in a vacuum packaging assembly configuration. Alternatively, the syringe cartridge system can be provided with a coupler attached to a safety device, a hypodermic needle, or a Luer adaptor. The syringe cartridge system can also be used in combination with an automatic injector.
**INTERNATIONAL SEARCH REPORT**

**International application No**

PCT/US2007/085937

**A CLASSIFICATION OF SUBJECT MATTER**

IPC(8) - A61M 5/178 (2008.04)
USPC - 604/187

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 5/178 (2008 04)
USPC - 604/187

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)

PatBas

**C DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Y</td>
<td>US 5.653,698 A (NIEDOSPIAL et al) 05 August 1997 (05 08 1997) entire document</td>
<td>12, 13</td>
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<td></td>
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<td>1-11, 14-25</td>
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<td>24, 25</td>
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</tbody>
</table>

**D Further documents are listed in the continuation of Box C**

**Date of the actual completion of the international search**

29 May 2008

**Date of mailing of the international search report**

26 June 2008

**Name and mailing address of the ISA/US**

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No 571-273-3201

**Authorized officer**

Blaine R Copenhagen

PCT Helpdesk 571-272-4300
PCTOSP 571-272-7774

Form PCT/ISA/210 (second sheet) (April 2005)
### INTERNATIONAL SEARCH REPORT

**PCT/US2007/085937**

**Box No. II**  
Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. **Claim Nos**
   - because they relate to subject matter not required to be searched by this Authority, namely

2. **Claim Nos**
   - because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be earned out, specifically

3. **Claim Nos**
   - because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 64(a)

**Box No. III**  
Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

- **Group I**: claims 1-11, drawn to a syringe cartridge system having a packaging assembly that includes a tray, a nesting plate, and a flexible film.
- **Group II**: claims 12-30, drawn to a syringe cartridge system including a cartridge having a generally hollow tubular body having a distal and proximal end, a flange, and a septum.

1. **☑** As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. **☐** As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.

3. **☐** As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.

4. **☒** No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the clairris, if is covered by claims Nos.

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant’s protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant’s protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (Apr 2005)