Title: ALTERNATE PATH GRAVEL PACKING WITH ENCLOSED SHUNT TUBES

Abstract: Apparatus for gravel packing a wellbore interval with enclosed alternate flowpath (i.e. conduits) that can provide a good distribution of gravel over the entire completion interval. The alternate flowpaths for the slurry are positioned in the annulus formed by the base pipe and the external surface of the screen, and connected to corresponding exit nozzle chambers positioned at different levels on the screen, and therefore do not significantly increase the overall effective outside diameter of the screen.
### INTERNATIONAL SEARCH REPORT

#### A. CLASSIFICATION OF SUBJECT MATTER

<table>
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<tr>
<th>IPC(7)</th>
<th>E21B 43/08</th>
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<tr>
<td>US CL</td>
<td>166/278, 227, 51, 236</td>
</tr>
</tbody>
</table>

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)

U.S.: 166/278, 227, 51, 236

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)

Please See Continuation Sheet

#### 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</td>
<td>US 5,868,200 A (BRYANT et al.) 09 February 1999(09.02.1999), see entire document.</td>
<td>1, 2, 8-11, 14 and 15</td>
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<td>X</td>
<td>US 6,581,689 B2 (HAILEY, Jr.) 24 June 2003(24.06.2003), see entire document.</td>
<td>1-7 and 16-25</td>
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Further documents are listed in the continuation of Box C.

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Date of the actual completion of the international search

06 July 2005 (06.07.2005)

Date of mailing of the international search report

18 AUG 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US

Commissioner for Patents

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Authorized officer

Mareotine Sires

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Continuation of B. FIELDS SEARCHED Item 3:
USPAT: Fraud or deceit or Scam; coax or deceive scheme, or fake or faking and imposter and loan; system and management, analysis, monitor and product and gift or near; card, cross, transact