Title: FILTER ASSEMBLY FOR PIPELINES

Abstract: A filter assembly is disclosed for use in connection with the filtration of products transported via pipelines, including high pressure gas pipelines. The disclosed filter assembly is comprised of a plurality of filter modules, a series of valves, inlet and outlet ports, connective piping, and spool pieces. The filter assembly will temporarily redirect flow from the pipeline, through one or more filter assemblies, and back into the original pipeline a short distance downstream from the original takeout point. If flanged connections are not readily available for a particular section of pipeline, the filter assembly can be connected to virtually any section of pipe through "hot tapping" technology, which allows a valve to be placed on an active and pressurized section of pipeline. The filter assembly of the present invention allows the operator to replace expired filtering members by shifting product flow from one filter module to another, thereby avoiding the need to take the pipeline out of service during filtering operations. The filter assembly may also be mounted on a skid and/or a mobile trailer.
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the “Guidance Notes on Codes and Abbreviations” appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:
15 November 2007
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC: B01D 9/00( 2006.01), 39/00( 2006.01), 41/00( 2006.01), 45/00( 2006.01), B08B 9/04( 2006.01), 7/04( 2006.01), 1/00( 2006.01)

USPC: Please See Continuation Sheet
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.: Please See Continuation Sheet

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)

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>
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<tbody>
<tr>
<td>X</td>
<td>US 1,651,173 A (LALOR) 13 December 1927, see figs. 1-3; pg. 1, line 55 to pg. 3, lines 15-23.</td>
<td>1, 2, 4-5, 7, 15, 1-44</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search
27 July 2007 (27.07.2007)

Date of mailing of the international search report
06 SEP 2007

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### INTERNATIONAL SEARCH REPORT

**PCT/US06/09740**

**C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

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55/356, 357, 385.1, 410, 419, 482, 484, 495, 503; 210/340, 341, 343, 348, 95/1, 273, 286, 287, 134/8, 10, 22.1, 22.11; 15/104.05, 104.061

Continuation of USPC:
55/356, 357, 385.1, 410, 419, 482, 484, 495, 503; 210/340, 341, 343, 348, 95/1, 273, 286, 287, 134/8, 10, 22.1, 22.11; 15/104.05, 104.061