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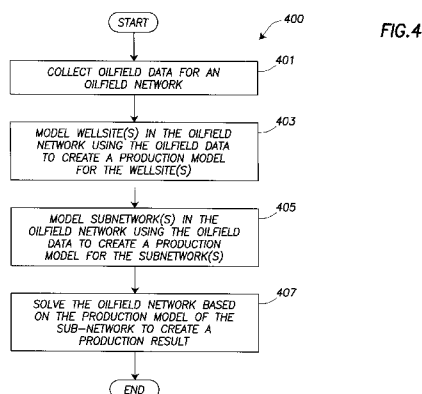
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[Continued on next page]

(54) Title: ANALYZING AN OILFIELD NETWORK FOR OILFIELD PRODUCTION



(57) Abstract: A method for performing an analysis of an oilfield network. The oilfield network includes multiple wellsites. The method includes collecting oilfield data from the oilfield network, modeling a first wellsites using the oilfield data to create a first production model of the first wellsites, and modeling a second wellsites using the oilfield data to create a second production model of the second wellsites. The method further includes modeling a sub-network of the oilfield network to create a third production model of the sub-network. The modeling of the sub-network includes identifying a junction of a branch associated with the first wellsites and a branch associated with the second wellsites. A fourth production model is created for the junction by combining the first production model with the second production model. The production model of the sub-network is created using the fourth production model of the junction. The method further includes solving the oilfield network based on the third production model to create a production result, and storing the production result.



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<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) IPC(8) - G06G 7/48 (2009.01) USPC - 703/10</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Patbase, Google Patents</p>																	
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <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 6,236,894 B1 (STOISITS et al) 22 May 2001 (22.05.2001) entire document</td> <td>7-17, 19, 20</td> </tr> <tr> <td>Y</td> <td></td> <td>1-6, 18</td> </tr> <tr> <td>Y</td> <td>US 2007/0073527 A1 (FLANDRIN et al) 29 March 2007 (29.03.2007) entire document</td> <td>1-6, 18</td> </tr> <tr> <td>A</td> <td>US 2006/0036418 A1 (PITA et al) 16 February 2006 (16.02.2006) entire document</td> <td>1-20</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 6,236,894 B1 (STOISITS et al) 22 May 2001 (22.05.2001) entire document	7-17, 19, 20	Y		1-6, 18	Y	US 2007/0073527 A1 (FLANDRIN et al) 29 March 2007 (29.03.2007) entire document	1-6, 18	A	US 2006/0036418 A1 (PITA et al) 16 February 2006 (16.02.2006) entire document	1-20
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<p>Name and mailing address of the ISA/US</p> <p>Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201</p>		<p>Authorized officer:</p> <p>Blaine R. Copenheaver</p> <p>PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>															