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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(Ui))*

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(54) Title: EARTH STRESS MANAGEMENT AND CONTROL PROCESS FOR HYDROCARBON RECOVERY

(57) Abstract: A method for controlling hydrocarbon recovery to improve well interactions while preventing excessive strain or stress-induced well deformations and mechanical failures is described. The method incorporates a systematic, transient analysis process for determining the formation effective displacement, stress and excess pore pressure field quantities at any depth within a stratified subterranean formation resulting from the subsurface injection and/or withdrawal of pressurized fluids.

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A CLASSIFICATION OF SUBJECT MATTER

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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)

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

On line Journal, Magazine, Textbook and Patents (US and International)

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

Google, EAST, IEEE Explore, Springer, CRC

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X --- A	US 6,754,589 (Bush) 22 Jun 2004 (22 06 2004), Fig 17, column 1, lines 30-35, column 2, line 62 to column 3, line 9, column 6, line 46 to column 7, line 32, column 15, line 64 to column 16, line 31 and column 19, line 39 to column 20, line 31	I, 18 amd 19 ---------- 2-17 and 20
A	US 4,199,025 (Carpenter) 22 April 1980 (22 04 1980), Abstract and Fig 12	1-20
A	US 4,678,033 (Killough) 7 July 1987 (07 07 1987), all	1-20

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"O" document refemng to an oral disclosure, use, exhibition or other means	
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