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Alexandrov et al.

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(54) **GAS EVOLVING OIL VISCOSITY
DIMINISHING COMPOSITIONS FOR
STIMULATING THE PRODUCTIVE LAYER
OF AN OIL RESERVOIR**

C09K 8/92 (2013.01); *E21B 17/18* (2013.01);
E21B 36/008 (2013.01); *E21B 43/243*
(2013.01)

(58) **Field of Classification Search**

None

See application file for complete search history.

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This patent is subject to a terminal dis-
claimer.

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(52) **U.S. Cl.**

CPC . *E21B 43/24* (2013.01); *C09K 8/58* (2013.01);

(57)

ABSTRACT

Disclosed is a chemical system of gas evolving oil viscosity
diminishing compositions (GEOVDC) for stimulating the
productive layer of an oil reservoir, that is to chemical com-
positions for a thermochemical treatment of an oil reservoir,
more specifically for initiating a chemical reaction in the
productive layer zone of the oil reservoir to produce heat and
evolve gases so that the extraction of oil (petroleum) is
improved. Further disclosed is a method of thermochemically
treating an oil reservoir by means of this chemical system, and
an apparatus for performing thermochemical treatment of an
oil reservoir.

18 Claims, 6 Drawing Sheets

