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(54) **FORMULATION FOR THE RECOVERY OF HYDROCARBONS INCLUDING A SURFACTANT SYSTEM**

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CPC **C09K 8/584** (2013.01); **C09K 8/602** (2013.01); **C09K 8/04** (2013.01); **C09K 8/32** (2013.01); **E21B 43/16** (2013.01)

(58) **Field of Classification Search**

CPC **C09K 8/584**; **C09K 8/602**; **C09K 8/32**; **E21B 43/16**

See application file for complete search history.

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(57) **ABSTRACT**

Surfactants for use in formulations and processes suitable for hydrocarbon recovery. These formulations, include formulations suitable for fracking, enhancing oil and or gas recovery, and the recovery and/or production of bio-based oils.

21 Claims, 10 Drawing Sheets