

Title (en)
EMULSIFICATION OF HYDROCARBON GAS OILS TO INCREASE EFFICACY OF WATER BASED HYDROGEN SULFIDE SCAVENGERS

Title (de)
EMULGIERUNG VON KOHLENWASSERSTOFFGASÖLEN ZUR ERHÖHUNG DER EFFIZIENZ VON WASSERBASIERTEN
WASSERSTOFFSULFID-SCAVENTERN

Title (fr)
ÉMULSIFICATION DE GAS-OIL HYDROCARBURE POUR AUGMENTER L'EFFICACITÉ D'INACTIVATEURS DE SULFURE D'HYDROGÈNE À
BASE D'EAU

Publication
EP 2516596 A2 20121031 (EN)

Application
EP 10770692 A 20101021

Priority
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• US 2010053457 W 20101021

Abstract (en)
[origin: US2011147272A1] A hydrogen sulfide scavenging process for heavy oil that reduces hydrogen sulfide while minimizing corrosion to processing equipment. The method includes the steps of adding an aqueous-based scavenger containing one or more aldehydes, such as glyoxal, to the heavy oil using a static mixer injection system and creating an aqueous-based scavenger/heavy oil emulsion using a high shear/high velocity pump. The aqueous-based scavenger may be added in a scavenger addition branch, with the emulsion being formed in the addition branch and then returned to the processing equipment.

IPC 8 full level
C10G 29/24 (2006.01)

CPC (source: EP KR US)
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See references of WO 2011087540A2

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