

Title (en)
SEPARATION OF HYDROCARBONS AND WATER FROM MIXTURES THEREOF

Title (de)
TRENNUNG VON KOHLENWASSERSTOFFEN UND WASSER AUS DEREN VERMISCHUNGEN

Title (fr)
SEPARATION D'HYDROCARBURES ET D'EAU DE MELANGES LES CONTENANT

Publication
EP 0828555 A4 19981007 (EN)

Application
EP 96914791 A 19960522

Priority
• AU 9600307 W 19960522
• AU PN311395 A 19950523

Abstract (en)
[origin: WO9637290A1] A method and an apparatus for separating hydrocarbon (particularly oil) and water components from mixtures thereof, involving passing the mixture through a filter mass such as a fluidised bed (20) in a vertically elongate housing (10) divided into three chambers (13, 14 and 15) by sieves (16a and 16b) with chamber (14) containing the fluidized bed. The fluidised bed contains granules (17) of polymer material, such as rubber, suspended in a body of water, which granules have been activated by exposure to a substance, such as alcohol or an alcohol based substance, rendering the granules hydrophilic whereby the mixture flowing through the housing from an inlet conduit (18) contacts the granules and a large proportion of the oil content is retained by the granules to be separated from the water content which in turn discharges from the housing through a discharge conduit (22).

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Citation (search report)
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• [X] DE 2903056 A1 19790809 - BUDNY LUCINA, et al
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• [X] US 4508626 A 19850402 - FULLER EVERETT J [US], et al
• [X] GB 2276373 A 19940928 - KSPW ENV RES TECH INC [CA]
• See references of WO 9637290A1

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