

Title (en)

IMPROVED SEPARATION OF MULTI-COMPONENT FLUID THROUGH ULTRASONIC ACOUSTOPHORESIS

Title (de)

VERBESSERTE TRENNUNG VON MEHRKOMPONENTEN-FLÜSSIGKEITEN DURCH ULTRASCHALL-AKUSTOPHORESE

Title (fr)

SÉPARATION AMÉLIORÉE D'UN LIQUIDE À PLUSIEURS COMPOSANTS PAR LE BIAIS DE L'ACOUSTOPHORÈSE ULTRASONORE

Publication

**EP 2872234 A1 20150520 (EN)**

Application

**EP 13742354 A 20130716**

Priority

- US 201261671856 P 20120716
- US 201361754792 P 20130121
- US 201313844754 A 20130315
- US 2013050729 W 20130716

Abstract (en)

[origin: WO2014014941A1] An acoustic standing wave is utilized to separate components from a multi- component fluid, such as oil from an oil-water mixture, in a fluid flow scheme with an acoustophoresis device. For example, the flow scheme and device allows for trapping of the oil as the oil coalesces, agglomerates, and becomes more buoyant than the water.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2014014941A1

Citation (examination)

- WO 9850133 A1 19981112 - UNIV CARDIFF [GB], et al
- WO 2004112093 A2 20041223 - P C T SYSTEMS INC [US], et al

Designated contracting state (EPC)

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