

Title (en)

METHOD FOR PROCESSING HEAVY HYDROCARBON OIL

Title (de)

VERFAHREN ZUR VERARBEITUNG VON SCHWEREM KOHLENWASSERSTOFFÖL

Title (fr)

PROCÉDÉ DE TRAITEMENT D'UNE HUILE LOURDE D'HYDROCARBURE

Publication

EP 2751225 A4 20150506 (EN)

Application

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Priority

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- US 2012053950 W 20120906

Abstract (en)

[origin: US2013062249A1] A process for treating hydrocarbon oil including passing heated oil through a cavitation apparatus to statically induce cavitation treatment of the oil. The oil is passed through the cavitation apparatus in the absence on non-hydrocarbon oil substances such as hydrogen, water or other organic materials and solvents. The cavitation treatment process can increase the API gravity of the hydrocarbon oil and reduce the viscosity of the hydrocarbon oil.

IPC 8 full level

C10G 31/06 (2006.01); **B01J 19/00** (2006.01); **C10G 15/08** (2006.01)

CPC (source: EP US)

B01J 19/006 (2013.01 - EP US); **B01J 19/008** (2013.01 - EP US); **B01J 19/1812** (2013.01 - EP US); **B01J 19/26** (2013.01 - EP US); **C10G 15/08** (2013.01 - EP US); **C10G 31/06** (2013.01 - EP US); **B01J 2208/00575** (2013.01 - EP US); **B01J 2208/00584** (2013.01 - EP US); **C10G 2300/302** (2013.01 - EP US); **C10G 2300/308** (2013.01 - EP US); **C10G 2300/4012** (2013.01 - EP US)

Citation (search report)

- [X] US 2008217211 A1 20080911 - CHORNET MICHEL [CA], et al
- [X] WO 2010087780 A1 20100805 - NEFTECH PTE LTD [SG], et al
- [XI] US 2010101978 A1 20100429 - GORDON ROMAN [US], et al
- [X] EP 1054724 A1 20001129 - KOZYUK OLEG VYACHESLAVOVICH [US]
- See references of WO 2013039759A1

Designated contracting state (EPC)

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