

Title (en)  
PROCESS FOR DESULFURIZING PETROLEUM FEEDSTOCKS

Title (de)  
VERFAHREN ZUR ENTSCHWEFELUNG VON ERDÖLEINSÄTZEN

Title (fr)  
PROCÉDÉ DE DÉSULFURATION DE CHARGES D'ALIMENTATION À BASE DE PÉTROLE

Publication  
**EP 2809748 A1 20141210 (EN)**

Application  
**EP 13744384 A 20130130**

Priority  
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• US 2013023850 W 20130130

Abstract (en)  
[origin: WO2013116340A1] A process for upgrading an oil feedstock (102) includes reacting the oil feedstock (102) with a quantity of an alkali metal (106), wherein the reaction produces solid materials and liquid materials. The solid materials are separated from the liquid materials. The solid materials may be washed and heat treated (109) by heating the materials to a temperature above 400 C. The heat treating (109) occurs in an atmosphere that has low oxygen and water content. Once heat treated (109), the solid materials are added to a solution comprising a polar solvent, where sulfide, hydrogen sulfide or polysulfide anions dissolve. The solution comprising polar solvent is then added to an electrolytic cell (120), which during operation, produces alkali metal (106) and sulfur (128).

IPC 8 full level  
**C10G 29/04** (2006.01); **C10G 19/00** (2006.01); **C10G 31/09** (2006.01); **C10G 53/02** (2006.01); **C25B 1/00** (2006.01); **C25C 1/02** (2006.01)

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**C10G 19/00** (2013.01); **C10G 29/04** (2013.01); **C10G 31/09** (2013.01); **C10G 53/02** (2013.01); **C25B 1/00** (2013.01); **C25C 1/02** (2013.01); **C10G 2300/202** (2013.01); **C10G 2300/205** (2013.01)

Cited by  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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