

Title (en)  
PROCESS FOR PRODUCING OIL

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON ÖL

Title (fr)  
PROCÉDÉ DE PRODUCTION DE PÉTROLE

Publication  
**EP 2938814 A4 20160713 (EN)**

Application  
**EP 13869096 A 20131219**

Priority  
• US 201261746214 P 20121227  
• US 2013076343 W 20131219

Abstract (en)  
[origin: US2014182850A1] Heavy oil or bitumen is recovered by injecting an oil recovery formulation comprising ammonia and steam having a vapor quality of from greater than 0 to less than 0.7, or injecting components thereof, into an underground oil-bearing formation comprising oil or bitumen having a total acid number of at least 0.1 and producing oil or bitumen from the formation after injection of the oil recovery formulation, or components thereof, into the formation.

IPC 8 full level  
**E21B 43/17** (2006.01); **C09K 8/592** (2006.01); **E21B 43/12** (2006.01); **E21B 43/20** (2006.01)

CPC (source: CN EP US)  
**C09K 8/592** (2013.01 - EP US); **E21B 43/2406** (2013.01 - CN EP US)

Citation (search report)  
• [XII] US 4475592 A 19841009 - PACHOVSKY ROMAN A [CA]  
• See references of WO 2014105588A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2014182850 A1 20140703**; CA 2893658 A1 20140703; CN 104870744 A 20150826; EA 201500695 A1 20151130; EP 2938814 A1 20151104; EP 2938814 A4 20160713; WO 2014105588 A1 20140703

DOCDB simple family (application)  
**US 201314132755 A 20131218**; CA 2893658 A 20131219; CN 201380068223 A 20131219; EA 201500695 A 20131219; EP 13869096 A 20131219; US 2013076343 W 20131219