

## Title (en)

Method and apparatus for enhanced oil recovery

## Title (de)

Vorrichtung und Verfahren zur Nachgewinnung von Erdöl

## Title (fr)

Appareil et procédé pour la récupération assistée de pétrole

## Publication

**EP 2716861 A1 20140409 (EN)**

## Application

**EP 12187689 A 20121008**

## Priority

EP 12187689 A 20121008

## Abstract (en)

A method for the recovery of oil or other hydrocarbon deposits from a subterranean formation below a surficial formation, said method comprising the steps of: a) separating an air stream into an oxygen-rich stream and a nitrogen-rich stream; b) pressurizing said nitrogen-rich stream and injecting said pressurized nitrogen stream into the subterranean formation; c) collecting hydrocarbons displaced by the injected fluid; d) combusting at least a portion of the collected hydrocarbons and generating a carbon dioxide-rich stream from the products of said combustion; and, e) pressurizing said carbon dioxide-rich stream and injecting said pressurized carbon dioxide stream into the subterranean formation, wherein in said method at least a portion of the oxygen-rich stream is used in step d).

## IPC 8 full level

**E21B 43/16** (2006.01); **F25J 3/04** (2006.01)

## CPC (source: EP)

**E21B 43/164** (2013.01); **E21B 43/168** (2013.01); **F25J 3/04533** (2013.01); **F25J 3/04569** (2013.01); **F25J 2260/80** (2013.01)

## Citation (applicant)

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## 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

## Designated extension state (EPC)

BA ME

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**EP 2716861 A1 20140409**; DK 201470333 A 20140604; EP 2904196 A2 20150812; WO 2014056949 A2 20140417; WO 2014056949 A3 20140619

## DOCDB simple family (application)

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