

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

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CPC (source: EP)

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