

Title (en)

Method and system for enhancing natural gas production

Title (de)

Verfahren und System zur Erhöhung der Erdgasproduktion

Title (fr)

Procédé et système pour améliorer la production de gaz naturel

Publication

**EP 2735696 A1 20140528 (EN)**

Application

**EP 12194472 A 20121127**

Priority

EP 12194472 A 20121127

Abstract (en)

A Nitrogen Assisted Depletion Drive (NADD) for enhancing natural gas production from an underground natural gas containing formation (20,30), such as a dry, wet and/or tight gas reservoir, comprises injecting noncorrosive Nitrogen (N<sub>2</sub>) containing drive gas into the formation (20,30) via at least one injection well (22, 31A-D) during a period of at least several months, thereby enhancing natural gas production and reservoir pressure whilst inhibiting corrosion of corrosion prone production facilities and inhibiting subsidence of the overburden.

IPC 8 full level

**E21B 43/16** (2006.01)

CPC (source: EP)

**E21B 43/168** (2013.01)

Citation (applicant)

- US 4765407 A 19880823 - YUVANCIC JAMES A [US]
- WO 2012021282 A1 20120216 - CONOCOPHILLIPS CO [US], et al
- CA 2568358 A1 20080517 - MAGUIRE JAMES Q [US]

Citation (search report)

- [XYI] US 4393936 A 19830719 - JOSENDAL VIRGIL A
- [XI] US 2005167103 A1 20050804 - HORNER W N [CA], et al
- [Y] US 4635721 A 19870113 - SHEFFIELD MILLER [US], et al
- [Y] US 4434852 A 19840306 - MOREL THOMAS J [US], et al
- [Y] WO 02103157 A1 20021227 - PET OIL & GAS CORP S AFRICA [ZA], et al
- [Y] US 5388645 A 19950214 - PURI RAJEN [US], et al
- [Y] US 7481275 B2 20090127 - OLSVIK OLA [NO], et al

Cited by

CN115758936A

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

DOCDB simple family (publication)

**EP 2735696 A1 20140528**

DOCDB simple family (application)

**EP 12194472 A 20121127**