

Title (en)

Method and system for inhibiting contact of a corrosive displacement gas with corrosion prone natural gas production facilities

Title (de)

Verfahren und System zur Verhinderung des Kontakts eines korrosiven Verdrängergases mit korrosionsanfälligen Erdgasproduktionseinrichtungen

Title (fr)

Procédé et système permettant d'inhiber le contact d'un gaz de déplacement corrosif dans des installations de production de gaz naturel

Publication

EP 2735697 A1 20140528 (EN)

Application

EP 12194473 A 20121127

Priority

EP 12194473 A 20121127

Abstract (en)

Natural gas production from an underground natural gas containing formation(20) is enhanced by initially injecting into the formation(20) a non-corrosive Nitrogen (N₂) containing displacement gas followed by injecting into the formation a corrosive CO₂ containing displacement gas such that the non corrosive displacement gas provides a barrier that inhibits the corrosive displacement gas to reach corrosion prone natural gas production facilities. Subsequent injection of non-corrosive and corrosive displacement gases reduces the cost of displacement gas injection, inhibits corrosion of natural gas production facilities, and reduces CO₂ emission into the atmosphere.

IPC 8 full level

E21B 43/16 (2006.01)

CPC (source: EP)

E21B 43/164 (2013.01); **E21B 43/166** (2013.01)

Citation (applicant)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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