

Title (en)
FRACTURING OF SHALE AND OIL SANDS USING A CLEAN PROCESSING SYSTEM AND METHOD

Title (de)
SCHIEFER UND ÖLSAND-FRACKING MIT EINEM SAUBEREN VERARBEITUNGSSYSTEM UND VERFAHREN

Title (fr)
FRACTURATION DE SCHISTES ET DE SABLES BITUMINEUX À L'AIDE D'UN SYSTÈME ET D'UN PROCÉDÉ DE TRAITEMENT PROPRE

Publication
EP 2998503 A3 20160622 (EN)

Application
EP 15186235 A 20150922

Priority
US 201414121591 A 20140922

Abstract (en)
[origin: EP2998503A2] The invention provides a system and method for providing a clean, non-contaminating process for producing fracturing of shale, limestone, sands and other geological and mining formations using high-pressure steam and CO2 to release natural gas, oil and minerals within a formation.

IPC 8 full level
E21B 43/24 (2006.01); **E21B 43/26** (2006.01)

CPC (source: EP MX US)
E21B 33/10 (2013.01 - US); **E21B 34/06** (2013.01 - US); **E21B 36/001** (2013.01 - US); **E21B 43/164** (2013.01 - US);
E21B 43/2405 (2013.01 - EP MX US); **E21B 43/2605** (2020.05 - EP MX US); **E21B 43/34** (2013.01 - EP MX US); **E21B 47/06** (2013.01 - US)

Citation (search report)

- [Y] US 5085276 A 19920204 - RIVAS LUIS F [US], et al
- [XY] US 5207271 A 19930504 - SANCHEZ J MICHAEL [US], et al
- [Y] US 5472050 A 19951205 - RHOTEN AARON T [US], et al
- [IY] US 3602310 A 19710831 - HALBERT WILLIAM G
- [IY] US 4607699 A 19860826 - STEPHENS DAVID J [GB]
- [Y] US 4756369 A 19880712 - JENNINGS JR ALFRED R [US], et al

Cited by
CN106382106A

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 2998503 A2 20160323; EP 2998503 A3 20160622; EP 2998503 B1 20230510; CA 2904301 A1 20160322; CA 2904301 C 20170801;
MX 2015013366 A 20160801; MX 2021000005 A 20210309; US 2016084054 A1 20160324

DOCDB simple family (application)
EP 15186235 A 20150922; CA 2904301 A 20150915; MX 2015013366 A 20150918; MX 2021000005 A 20150918;
US 201414121591 A 20140922