

Title (en)

APPARATUS FOR CONTROLLING INJECTION PRESSURE FOR THE ASSISTED RECOVERY OF OIL USING POLYMER

Title (de)

VORRICHTUNG ZUR STEUERUNG DES EINSPRITZDRUCKS ZUR UNTERSTÜTZTEN RÜCKGEWINNUNG VON ÖL UNTER VERWENDUNG EINES POLYMERS

Title (fr)

APPAREIL DE RÉGULATION DE PRESSION D'INJECTION POUR LA RÉCUPÉRATION ASSISTÉE DU PÉTROLE PAR POLYMÈRE

Publication

**EP 3519671 A1 20190807 (FR)**

Application

**EP 17786962 A 20170928**

Priority

- FR 1659515 A 20161003
- FR 2017052642 W 20170928

Abstract (en)

[origin: WO2018065699A1] An apparatus for controlling the injection pressure of a aqueous polymeric solution in an oil well, said apparatus being formed by: - at least one pressure modulation valve, allowing, per valve, a maximum pressure loss of 5 bars practically without any mechanical deterioration, said one or more valves being connected in line with; - a tube containing vortex modules, each creating a maximum pressure loss of 5 bars, practically without any mechanical deterioration, a vortex module being a section of tube, closed at one of its ends by a lid perforated with a hole, and being able to be inserted into the detachable tube; the purpose of the apparatus being that of being able to reduce the pressure to 100 bars with total mechanical deterioration of less than 10%. A method for using said apparatus.

IPC 8 full level

**E21B 43/20** (2006.01)

CPC (source: EP RU US)

**E21B 33/068** (2013.01 - RU US); **E21B 34/00** (2013.01 - US); **E21B 34/02** (2013.01 - RU); **E21B 43/16** (2013.01 - RU); **E21B 43/20** (2013.01 - EP); **E21B 43/16** (2013.01 - US)

Citation (search report)

See references of WO 2018065699A1

Designated contracting state (EPC)

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BA ME

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**FR 3057011 A1 20180406; FR 3057011 B1 20181102**; AR 109748 A1 20190116; BR 112019006027 A2 20190618; BR 112019006027 B1 20221206; CN 109790746 A 20190521; CN 109790746 B 20211123; EP 3519671 A1 20190807; EP 3519671 B1 20201216; MX 2019003591 A 20190610; RU 2019109173 A 20200929; RU 2019109173 A3 20201126; RU 2742288 C2 20210204; US 10760368 B2 20200901; US 2019338616 A1 20191107; WO 2018065699 A1 20180412

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