

Title (en)

WELLBORE PRESSURE CONTROL WITH SEGREGATED FLUID COLUMNS

Title (de)

BOHRLOCHDRUCKREGELUNG MIT SEGREGIERTEN FLUIDSÄULEN

Title (fr)

RÉGULATION DE LA PRESSION DANS UN Puits DE FORAGE AVEC COLONNES DE FLUIDE SÉPARÉES

Publication

EP 2564016 B1 20160608 (EN)

Application

EP 10850856 A 20100427

Priority

US 2010032578 W 20100427

Abstract (en)

[origin: WO2011136761A1] A method of controlling pressure in a wellbore can include placing a barrier substance in the wellbore while a fluid is present in the wellbore, and flowing another fluid into the wellbore while the first fluid and the barrier substance are in the wellbore. The first and second fluids may have different densities. Another method can include circulating a fluid through a tubular string and an annulus formed between the tubular string and the wellbore, then partially withdrawing the tubular string from the wellbore, then placing a barrier substance in the wellbore, then partially withdrawing the tubular string from the wellbore and then flowing another fluid into the wellbore. A well system can include at least two fluids in a wellbore, the fluids having different densities, and a barrier substance separating the fluids.

IPC 8 full level

E21B 21/08 (2006.01)

CPC (source: EP US)

E21B 21/082 (2020.05 - EP US); **E21B 21/085** (2020.05 - EP US)

Citation (examination)

- US 4441556 A 19840410 - POWERS CHARLES A [US], et al
- US 4257483 A 19810324 - MORRIS EARL F, et al
- US 2009260817 A1 20091022 - GAMBIER PHILIPPE [US], et al

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2011136761 A1 20111103; AU 2010352027 A1 20121025; AU 2010352027 B2 20130801; BR 112012026845 A2 20160712; BR 112012026845 B1 20190917; CA 2795910 A1 20111103; CA 2795910 C 20150120; EP 2564016 A1 20130306; EP 2564016 A4 20130626; EP 2564016 B1 20160608; MX 2012012385 A 20130530; SG 184922 A1 20121129

DOCDB simple family (application)

US 2010032578 W 20100427; AU 2010352027 A 20100427; BR 112012026845 A 20100427; CA 2795910 A 20100427; EP 10850856 A 20100427; MX 2012012385 A 20100427; SG 2012077376 A 20100427