

Title (en)

METHOD FOR REGENERATION OF USED HALIDE FLUIDS

Title (de)

VERFAHREN ZUR REGENERIERUNG VERBRAUCHTER HALOGENIDHALTIGER FLÜSSIGKEITEN

Title (fr)

PROCEDE DE REGENERATION DE FLUIDES HALOGENES USES

Publication

EP 1414753 A2 20040506 (EN)

Application

EP 02721386 A 20020314

Priority

- US 0207622 W 20020314
- US 27617201 P 20010315

Abstract (en)

[origin: GB2388592A] A method for regenerating a used halide fluid comprising a density greater than 9.0 lbs/gal. (1.078 g/cm³) and containing both soluble and insoluble impurities. This method comprises the steps of (1) adding acid to the used halide fluid so that the pH is within a range of approximately 0 to 10.0; (2) contacting the used halide fluid with halogen to increase the density to at least 10.0 lbs./gal., (1.198 g/cm³) maintain the desired true crystallization temperature of the fluid and oxidize soluble impurities; (3) adding a reducing agent while adjusting the temperature to a minimum of 10°C; (4) contacting the fluid with an alkali to neutralize excess acid; and (5) separating any suspended solid impurities from the fluid.

IPC 1-7

C02F 1/58

IPC 8 full level

E21B 21/06 (2006.01)

CPC (source: EP)

E21B 21/068 (2013.01)

Citation (search report)

See references of WO 02074699A2

Designated contracting state (EPC)

GB NL

DOCDB simple family (publication)

GB 0321133 D0 20031008; **GB 2388592 A 20031119**; **GB 2388592 B 20041124**; AU 2002252321 A1 20021003; CN 1278949 C 20061011; CN 1630618 A 20050622; EP 1414753 A2 20040506; EP 1414753 B1 20060301; EP 1414753 B9 20060823; IL 157852 A0 20040328; IL 157852 A 20060705; NO 20034061 D0 20030912; NO 20034061 L 20031114; NO 324398 B1 20071001; WO 02074699 A2 20020926; WO 02074699 A3 20040219

DOCDB simple family (application)

GB 0321133 A 20020314; AU 2002252321 A 20020314; CN 02809287 A 20020314; EP 02721386 A 20020314; IL 15785202 A 20020314; IL 15785203 A 20030910; NO 20034061 A 20030912; US 0207622 W 20020314