

Title (en)

Method of enhanced recovery of hydrocarbons in an underground formation

Title (de)

Sekundärverfahren zur Gewinnung von Kohlenwasserstoffen aus unterirdischen Lagern

Title (fr)

Procédé de récupération assistée de fluids pétroliers dans un gisement souterrain

Publication

EP 0886035 B1 20040908 (FR)

Application

EP 98401342 A 19980605

Priority

FR 9707611 A 19970617

Abstract (en)

[origin: EP0886035A2] The displacement of oil from a subterranean seam comprises a stage of injection, under pressure, by one or more injection wells successively with plugs of fluid to displace the hydrocarbons in the formation, and a recovery stage, by one or more production wells, of the displaced hydrocarbons. The injection stage comprises the successive injection of plugs of moist fluid which have been saturated with a gas under pressure and gaseous plugs to scavenge the more permeable zones. The production stage comprises the relaxation of the pressure in the formation so as to generate, in-situ, gas bubbles by nucleation in the pores of the less permeable zone, and to free hydrocarbons to the more permeable zones where they are scavenged by the gaseous plugs.

IPC 1-7

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IPC 8 full level

E21B 43/16 (2006.01); **E21B 43/18** (2006.01)

CPC (source: EP US)

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Cited by

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EP 0886035 A2 19981223; **EP 0886035 A3 20010926**; **EP 0886035 B1 20040908**; CA 2239759 A1 19981217; CA 2239759 C 20080129; FR 2764632 A1 19981218; FR 2764632 B1 20000324; NO 323039 B1 20061227; NO 982769 D0 19980616; NO 982769 L 19981218; US 6105672 A 20000822

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