

Title (en)
METHOD AND INSTALLATION FOR OIL RECOVERY BY IN SITU COMBUSTION

Publication
EP 0075515 B1 19851121 (FR)

Application
EP 82401680 A 19820916

Priority
CA 386166 A 19810918

Abstract (en)
[origin: US4557329A] Enhanced recovery of oil from subterranean sedimentary formations by an in-situ combustion method employing a pattern of an injection well and several production wells, spaced-apart by a treatment zone. Combustion is controlled by placing at least one fluid conduit in a treatment zone and introducing a control fluid through it to modify the flame front. Oxygen may be introduced to take over from combustion air initially introduced through the injection well, to sustain combustion and advance the flame front. Water may be injected through the injection well, alternating with the oxygen through the control conduit to continue a wet combustion method started with air. The strategic placing of control conduits and the introduction of appropriate fluids may be employed to improve the sweep geometry by advancing the flame front or retarding it, or invading areas behind it. Safety means is provided for introducing the oxygen at a velocity greater than the maximum flame velocity encountered in the flame front.

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E21B 43/30; **E21B 43/243**

IPC 8 full level
E21B 41/00 (2006.01); **E21B 43/243** (2006.01); **E21B 43/30** (2006.01)

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