

Title (en)
INSTALLATION FOR THE<l> IN SITU </l>EXTRACTION OF A SUBSTANCE CONTAINING CARBON

Title (de)
ANLAGE ZUR IN-SITU-GEWINNUNG EINER KOHLENSTOFFHALTIGEN SUBSTANZ

Title (fr)
INSTALLATION POUR UNE EXTRACTION IN SITU D'UNE SUBSTANCE CONTENANT DU CARBONE

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Application
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Abstract (en)
[origin: CA2735300A1] According to known SAGD methods, an injection pipeline protruding into a deposit and at least one production pipe line leading out of the deposit are provided, superheated steam being applied to said pipelines, both as required, in order to improve the flowability of the extra-heavy oil and/or bitumen in the reservoir. According to prior art, the active region with the injection pipeline is also used for induction heating in relation to the surroundings thereof in the deposit. According to the invention, the conductor and return conductor (5, 5') of the inductor lines (10, 20; 110, 120) are guided essentially vertically in the capping (105) to the bottom of the deposit (100), at a small maximum lateral distance (a) of 10 m compared to the length of the lines, but especially less than 5 m. Preferably, the inductor lines (10, 20; 110, 120) are guided horizontally in the deposit (100) and are at different distances in certain areas. Furthermore, the electrical conductors and return conductors (5, 5') perpendicularly extending in the capping (105) preferably combine to form a conductor pair (5). In this way, the conductor pair (5) can be introduced into a single borehole (12) which reaches into the reservoir (100) and splits only once it has arrived in the reservoir (100).

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