

Title (en)
ELECTRICAL RESERVOIR FRACTURING

Title (de)
ELEKTRISCHE LAGERSTÄTTENKLÜFTUNG

Title (fr)
FRACTURATION ÉLECTRIQUE D'UN RÉSERVOIR

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Application
EP 12708046 A 20120313

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Abstract (en)
[origin: WO2012123458A2] The invention relates to a device (100) for fracturing a geological hydrocarbon reservoir, comprising: two packers (102, 103) defining therebetween a confined space (104) in a well drilled into the reservoir; a pump for increasing the pressure of a fluid in the confined space; a fluid heating device; at least one pair of electrodes (106) arranged in the confined space; and an electric circuit for generating an electric arc between the two electrodes, said circuit comprising at least one voltage source connected to the electrodes (106) and an inductor between the voltage source and one of the two electrodes. The invention can be used for improved reservoir fracturing.

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