

Title (en)

METHOD AND SYSTEM FOR OPERATING AND MONITORING A WELL FOR EXTRACTING OR STORING FLUID

Title (de)

VERFAHREN UND SYSTEM ZUR BEDIENUNG UND ÜBERWACHUNG EINES BRUNNENS ZUR EXTRAKTION ODER LAGERUNG EINES FLUIDS

Title (fr)

PROCÉDÉ ET SYSTÈME D'EXPLOITATION ET DE SURVEILLANCE D'UN Puits D'EXTRACTION OÙ DE STOCKAGE DE FLUIDE

Publication

**EP 3152396 B1 20181114 (FR)**

Application

**EP 15733792 A 20150603**

Priority

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Abstract (en)

[origin: WO2015185859A1] The system for operating and monitoring a well for extracting or storing a fluid to be used, such as natural gas, comprises a tubing (20) in which the fluid to be used flows, a protective casing (60) disposed around the tubing (20) and a cement sheath (30) interposed between the casing (60) and a rock formation (70) through which the well extends. The system further comprises, outside the casing (60), between same and the cement sheath (30), a series of electronic units (110) distributed in predefined positions in a succession of planes perpendicular to the casing (60) and spaced apart axially along the casing (60). Each electronic unit (110) comprises a communication means (14) for the electronic unit to communicate with another electronic unit (110) or a surface terminal (100), a power supply unit (13) of the electronic unit (110) and at least one of the following elements: a) a detection unit comprising at least one sensor (11) for sensing a physical or chemical quantity and b) a signal processing unit (12).

IPC 8 full level

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CPC (source: EP US)

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