

Title (en)

Method for transmitting information along a drill string

Title (de)

Verfahren zur Übertragung von Informationen über ein Bohrgestänge

Title (fr)

Procédé de transmission d'informations le long d'un train de tiges de forage

Publication

EP 1213440 B1 20040310 (FR)

Application

EP 01402933 A 20011115

Priority

FR 0015720 A 20001205

Abstract (en)

[origin: JP2002250030A] PROBLEM TO BE SOLVED: To provide an information transfer means using a series of rods offering a dual injection technique. SOLUTION: A series of boring rods 20i and 20s are aligned by the information transfer means. Each rod is provided with a conductive outside pipe 34, a conductive inside pipe 36 conveying a liquid under the prescribed pressure, and an annular space 38 located between the inner wall of the outside pipe and the outer wall of the inside pipe and filled with a nonconductive liquid. The information transfer means is provided with a first inductively coupled coil 40 arranged near the lower end section of a series of rods in the annular space 38, a second inductively coupled coil 46 arranged near the upper end section of a series of rods in the annular space 38, and a means formed in the second coil to receive an electric signal.

IPC 1-7

E21B 17/00; **E21B 47/12**

IPC 8 full level

E02D 3/12 (2006.01); **E21B 17/00** (2006.01); **E21B 47/12** (2012.01); **H04B 5/02** (2006.01)

CPC (source: EP)

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Cited by

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