Title (en)

FORMATION TESTING APPARATUS AND METHOD

Title (de)

VERFAHREN UND VORRICHTUNG ZUM FORMATIONSTESTEN

Title (fr)

PROCEDE ET APPAREIL POUR TESTER UNE FORMATION

Publication

EP 1064452 B1 20051207 (EN)

Application

EP 99909756 A 19990303

Priority

- US 9904596 W 19990303
- US 7714498 P 19980306
- US 8820898 A 19980601
- US 22686599 A 19990107

Abstract (en)

[origin: WO9945236A1] An apparatus and method for obtaining samples of pristine formation or formation fluid, using a work string designed for performing other downhole work such as drilling, workover operations, or re-entry operations. An extendible element extends against the formation wall to obtain the pristine formation or fluid sample. While the test tool is in a standby condition, the extendible element is withdrawn within the work string, protected by other structure from damage during operation of the work string. The apparatus is used to sense or sample downhole conditions while using a work string, and the measurements or samples taken can be used to adjust working fluid properties without withdrawing the work string from the bore hole. When the extendible element is a packer, the apparatus can be used to prevent a kick from reaching the surface, adjust the density of the drilling fluid, and thereafter continuing use of the work string. The test apparatus can be mounted on a sliding, non-rotating, sleeve on the work string.

IPC 1-7

E21B 49/10; E21B 43/26; E21B 49/06; E21B 33/124; E21B 49/00

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

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