

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 While the test tool is in a standby condition, the extendible element is withdrawn within the work string, protected by other structure from damage during operation of the work string.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.

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IPC 8 full level  
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Cited by  
CN106481337A; CN103306658A; US10570724B2; WO2018058017A1

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DOCDB simple family (publication)  
**WO 9945236 A1 19990910**; AU 2889299 A 19990920; DE 69928780 D1 20060112; DE 69928780 T2 20060817; EP 1064452 A1 20010103; EP 1064452 B1 20051207; NO 20004426 D0 20000905; NO 20004426 L 20001101; NO 320901 B1 20060213

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