

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 A1 20010103 (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 While the test tool is in a standby condition, the extendible element is withdrawn within the work string, protected by other structure from damage during operation of the work string.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  
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IPC 8 full level  
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Citation (search report)  
See references of WO 9945236A1

Cited by  
CN106481337A; CN103306658A; US10570724B2; WO2018058017A1

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