

Title (en)

DOWNHOLE MONITORING METHOD AND DEVICE

Title (de)

VERFAHREN UND GERÄT ZUR BOHRLOCHÜBERWACHUNG

Title (fr)

PROCEDE ET DISPOSITIF D'OBSERVATION EN FOND DE Puits

Publication

EP 0973996 A1 20000126 (EN)

Application

EP 98922712 A 19980408

Priority

- EP 98922712 A 19980408
- EP 9802187 W 19980408
- EP 97201092 A 19970409

Abstract (en)

[origin: EP0870900A1] A method and device are provided for monitoring the interfaces between and other physical characteristics of fluids in the pore spaces of an underground formation. The device (4) comprises a sleeve (5) around which, when in use, an annular measuring chamber (8) is formed which is in fluid communication with the pore spaces of the surrounding formation but which is hydraulically isolated from other parts of the wellbore of a production or other well in which the device (4) is mounted. An array of capacitor or other sensors (11) is mounted in the measuring chamber (8) for measuring the interfaces between, or other physical characteristics of, the fluids in the measuring chamber (8). <IMAGE>

IPC 1-7

E21B 47/04

IPC 8 full level

E21B 47/04 (2012.01); **E21B 47/10** (2012.01)

CPC (source: EP US)

E21B 47/047 (2020.05 - EP); **E21B 47/113** (2020.05 - EP); **E21B 49/088** (2013.01 - EP US)

Citation (search report)

See references of WO 9845574A1

Designated contracting state (EPC)

DE DK GB IT NL

DOCDB simple family (publication)

EP 0870900 A1 19981014; EP 0973996 A1 20000126; EP 0973996 B1 20020814; WO 9845574 A1 19981015

DOCDB simple family (application)

EP 97201092 A 19970409; EP 9802187 W 19980408; EP 98922712 A 19980408