

Title (en)

Fluid sample chamber with non-reactive lining

Title (de)

Flüssigkeits-Proben-Kammer mit nicht-reaktiver Auskleidung

Title (fr)

Chambre d'échantillonnage de liquides avec revêtement non-réactif

Publication

**EP 0999348 A2 20000510 (EN)**

Application

**EP 99308659 A 19991101**

Priority

- US 10675298 P 19981102
- US 35741699 A 19990720

Abstract (en)

An apparatus for retaining a well-fluid sample and a method for using the same. The apparatus comprises a variable volume sample chamber having interior surfaces of a nonreactive material, such as a ceramic, the interior surfaces defining a cavity (222). The sample chamber comprises a tubular member, a piston (226) slidingly engaged in the tubular member operable in response to fluid pressure within the sample chamber, a passageway (260) defined in the sample chamber and adapted for providing fluid communication between the cavity (222) and an area exterior the sample chamber, and a valve assembly (254) operable for selectively opening and closing the passageway (260). <IMAGE> <IMAGE>

IPC 1-7

**E21B 49/08**

IPC 8 full level

**E21B 49/08** (2006.01)

CPC (source: EP US)

**E21B 49/0815** (2020.05 - EP US)

Citation (applicant)

- US 4878538 A 19891107 - CHRISTENSEN JON B [US]
- US 4903765 A 19900227 - ZUNKEL GARY D [US]
- US 4883123 A 19891128 - ZUNKEL GARY D [US], et al
- US 5240072 A 19930831 - SCHULTZ ROGER L [US], et al
- US 4787447 A 19881129 - CHRISTENSEN JON B [US]
- US 5687791 A 19971118 - BECK HAROLD KENT [US], et al
- US 5423229 A 19950613 - SCHULTZ ROGER L [US], et al

Cited by

CN114961717A; CN114459819A

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DOCDB simple family (publication)

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