

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 A3 20001129 (EN)

Application

EP 99308659 A 19991101

Priority

- US 10675298 P 19981102
- US 35741699 A 19990720

Abstract (en)

[origin: EP0999348A2] 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 (search report)

- [X] WO 9612088 A1 19960425 - OILPHASE SAMPLING SERVICES LTD [GB], et al
- [X] US 5609205 A 19970311 - MASSIE KEITH J [GB], et al
- [X] EP 0534732 A1 19930331 - HALLIBURTON CO [US]
- [X] US 5662166 A 19970902 - SHAMMAI HOUMAN M [US]

Cited by

CN114459819A

Designated contracting state (EPC)

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