

Title (en)

DEVICE AND METHOD FOR EXTRACTING A SAMPLE WHILE MAINTAINING A PRESSURE THAT IS PRESENT AT THE SAMPLE EXTRACTION LOCATION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR PROBENENTNAHME UNTER ERHALT EINES AM PROBENAHMEORT HERRSCHENDEN DRUCKES

Title (fr)

DISPOSITIF ET PROCÉDÉ DE PRÉLÈVEMENT D'ÉCHANTILLON EN MAINTENANT UNE PRESSION RÉGNANT À L'ENDROIT DU PRÉLÈVEMENT D'ÉCHANTILLON

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Application

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Abstract (en)

[origin: CA2853196A1] The invention relates to a round-trip autoclave sample-extracting device (1) for extracting a sample (P) at a sample extraction location of a geological formation, said device comprising a self-closing pressure chamber module (DKM) for receiving the sample (P). The pressure chamber module (DKM) is connected to a lifting module (HMB1, HBM2) in order to lift the sample (P) into the pressure chamber module (DKM) in one sampling stroke (?z2). The round-trip autoclave sample-extracting device (1) has a triggering module (AM1, AM2, AM3) and a pressure regulating module (AK1, AK2), said triggering module (AM1, AM2, AM3) acting on the lifting module (HMB1, HBM2) in order to trigger the sampling stroke (?z2), and the pressure regulating module (AK1, AK2) is coupled to the pressure chamber module (DKM) at least on the pressure side after the sampling stroke (?z2) in order to influence a pressure in the pressure chamber module (DKM). Furthermore, a round-trip method is proposed which includes a first trip (VS1, VS2) and at least one second trip (VS3 to VS10) for extracting a sample (P) while maintaining a pressure that is present at the sample extraction location. The corresponding method steps are described in the patent application in a detailed manner.

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