

Title (en)

Bottle for fluid sampling, for use in deep boreholes.

Title (de)

In Tiefbohrlöchern verwendbare Flasche zur Entnahme einer Flüssigkeit.

Title (fr)

Bouteille de prélèvement de fluide, utilisable en forages profonds.

Publication

**EP 0456581 A1 19911113 (FR)**

Application

**EP 91401218 A 19910507**

Priority

FR 9005813 A 19900510

Abstract (en)

The invention allows the sampling of water and gas mixtures in deep boreholes. <??>The filling of the volume (4) of the bottle is obtained by previously producing a vacuum inside this volume (4). Once in place, the duct (10) is opened by the withdrawal of the piston (20) and the opening of the valve (6). Once pressure equilibrium is established, the valve (6) is closed again, the piston (20) is re-inserted in the sleeve (8), with possible pressure compensation by means of a bottom sliding valve (46). Emptying is carried out through the tap (24) which also allows the initial production of a vacuum inside the volume (4). <??>Application to geothermics, nuclear power stations, oceanography and geochemistry. <IMAGE>

IPC 1-7

**E21B 49/08**

IPC 8 full level

**E21B 49/08** (2006.01)

CPC (source: EP US)

**E21B 49/082** (2013.01 - EP US)

Citation (search report)

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