

Title (en)

Method and device for filling caverns

Title (de)

Verfahren und Vorrichtung zum Fluten von Speicherkavernen

Title (fr)

Procédé et dispositif de remplissage de cavernes

Publication

EP 0841266 A3 19981209 (DE)

Application

EP 97250323 A 19971030

Priority

DE 19647706 A 19961111

Abstract (en)

[origin: EP0841266A2] This new method is used when flooding underground storage chambers, especially for gas. At least the minimum geo-mechanical pressure is contained. In the novel method, a liquid column of flooding medium is established. This is maintained throughout the flooding process, and is used in flooding the chamber. The pressure of the fluid column is used in automatic compensation of the internal pressure arising in the chamber. Should there be an interruption of flooding flow, the chamber is automatically shut off. Also claimed is equipment to carry out the method. In the chamber borehole (16) a flooding tube string (13) is built in. This comprises an outer tube (10) with an overflow opening (8) and is closed at the pipe saddle (5). It includes an inner tube (9).

IPC 1-7

B65G 5/00

IPC 8 full level

E21B 41/00 (2006.01)

CPC (source: EP)

E21B 41/0057 (2013.01)

Citation (search report)

- [A] DE 1924942 A1 19691127 - ATOMIC ENERGY COMMISSION
- [A] GB 738917 A 19551019 - TAXACO DEV CORP
- [A] EP 0214890 A1 19870318 - GEOSTOCK [FR]

Cited by

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19647706 C1 19980430; DK 0841266 T3 20010618; EP 0841266 A2 19980513; EP 0841266 A3 19981209; EP 0841266 B1 20010228

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