

Title (en)

Method and apparatus for leaching out cavities in salt formations

Title (de)

Verfahren und Vorrichtung zum Aussolen von Kavernen in Salzformationen

Title (fr)

Procédé et dispositif pour excaver des formations salines par dissolution

Publication

EP 0629769 B1 19981118 (DE)

Application

EP 94109174 A 19940615

Priority

DE 4319941 A 19930616

Abstract (en)

[origin: EP0629769A2] Method and apparatus for leaching out salt cavities for the storage of natural gas with the use of natural gas as blanket medium, with a pipe string (1) cemented in the overburden (11) and in the salt dome (13) down to the cavity roof (15), a gas-delivery string (3) put into the pipe string (1) in a sealed-off manner and likewise extending down to the cavity roof, a protective liquid filling the annular space between the pipe strings, an outer flushing-pipe string (6) put into the gas-delivery string, variable in length and extending down below the blanket level, and a inner flushing-pipe string (8) located underneath, put into the outer flushing-pipe string and variable in length. <IMAGE>

IPC 1-7

E21B 43/28

IPC 8 full level

E21B 43/28 (2006.01); **E21C 41/20** (2006.01)

CPC (source: EP)

E21B 43/28 (2013.01)

Citation (examination)

- K. H. LUX ET AL.: "20 Jahre Erfahrung mit Salzkavernen", ERDÖL, ERDGAS, KOHLE, vol. 104, no. 2, HAMBURG/WIEN, pages 75 - 78
- DIP.-ING. GOTTHARD FÜRER: "Behälterlose Untertagespeicherung von Gas", BERGBAU, vol. 34, no. 9, pages 416 - 426
- R. ARMSTRONG: "Developing Cavern Storage in Western Canada", 23 September 1986, SOLUTION MINING RESEARCH INSTITUTE, WOODSTOCK, ILLINOIS, -

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WO2018114013A1; EA009798B1; CN102606146A; CN103075140A; WO2018114012A1

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