

Title (en)

Safety device for a gas storage cavern

Title (de)

Sicherheitssystem für eine Gasspeicherkaverne

Title (fr)

Dispositif de sécurité pour une cavité de stockage de gaz

Publication

EP 0890783 A1 19990113 (DE)

Application

EP 98112615 A 19980708

Priority

- DE 19729374 A 19970709
- DE 19745743 A 19971016

Abstract (en)

A break point (3) is located above a safety valve (2) in a pipe leading to the cave. Preferably the break point is surrounded by a frame construction and marked by a snap-off collar. A master valve located beneath the top of the cave is used as a safety valve, protected by an apron (4). A hydraulic line (7) connecting the valve to a pump (8) becomes damaged when the gas pipe head (1) is snapped off and the resulting pressure loss forces the valve to close.

Abstract (de)

Die Erfindung betrifft ein Sicherheitssystem für eine Gasspeicherkaverne, das im Fall des Abreißens oder der Beschädigung des Gasförderkopfes das Ausströmen von Erdgas in die Umwelt verhindert, indem eine Sollbruchstelle (3) oberhalb eines Sicherheitsventils (2) angeordnet ist. <IMAGE>

IPC 1-7

F17C 13/12; **F17C 13/04**; **F17C 1/00**; **B65G 5/00**; **E21B 33/03**

IPC 8 full level

E21B 33/02 (2006.01); **E21B 34/02** (2006.01); **E21C 41/20** (2006.01)

CPC (source: EP US)

E21B 33/02 (2013.01 - EP); **E21B 34/02** (2013.01 - EP US)

Citation (search report)

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- [A] US 5609179 A 19970311 - KNAPP ALFRED Z [US]
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