

Title (en)

INSTALLATION AND PROCESS FOR THE PERIODICAL CHARGING AND DISCHARGING OF A GAS-STORAGE DEVICE

Publication

**EP 0331627 B1 19911121 (DE)**

Application

**EP 89810035 A 19890116**

Priority

CH 82788 A 19880304

Abstract (en)

[origin: EP0331627A1] The installation for the periodical charging and discharging of a gas-storage device has a gas circuit (1) in which a compressor (2) and a heat exchanger (3) are arranged. A line (4) for supplying gas to be stored and for carrying away stored gas to a consumer is attached to the gas circuit (1). The gas is stored as gas at low temperature and increased pressure or as liquid gas at approximately ambient pressure. <??>The heat exchanger (3) arranged in the gas circuit (1) is operated as a cooler or a heater depending on whether gas is to be stored or discharged. The liquid heating or cooling medium flowing through the heat exchanger (3) is either cooled in a refrigerating machine (10) or heated in a heating device (11). <??>Depending on requirement, a gas, e.g. natural gas, can be prepared in one and the same installation for the charging of a storage device or for the discharging of this storage device. <IMAGE>

IPC 1-7

**F17C 5/06**; **F17C 9/02**; **F25D 31/00**; **F25J 1/02**

IPC 8 full level

**F17C 9/02** (2006.01); **F17C 5/06** (2006.01)

CPC (source: EP US)

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Cited by

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