

Title (en)  
HIGH-PRESSURE GAS SUPPLY

Title (de)  
HOCHDRUCKGASVERSORGUNG

Title (fr)  
ALIMENTATION EN GAZ SOUS HAUTE PRESSION

Publication  
**EP 0823968 B1 19981021 (DE)**

Application  
**EP 96914994 A 19960426**

Priority  
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Abstract (en)  
[origin: WO9635078A1] A process and plant are disclosed for conveying high-pressure gas to a consumption site from a low-pressure liquefied gas supply reservoir. The object of the invention is to dispense with high-pressure gas units such as gas cylinder sets and to improve liquefied gas transport by means of a high-pressure gas. Liquefied gas from the reservoir flows into at least one container having a size selected so that the time required to empty the recipient is shorter than the time required for thermal equilibrium to be reached in the container. The head space of the container is then filled with evaporated gas from an external evaporator until the liquefied gas may be supplied at the required high pressure to the consumption site. Every time the container is empty, it is filled again with liquefied gas. For that purpose, the container(s) must have a considerably smaller volume than the reservoir of liquefied gas. This system is particularly suitable to generate supercritical, high-pressure gas.

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