

Title (en)  
METHOD AND DEVICE FOR THE PRODUCTION OF VARIABLE AMOUNTS OF A PRESSURIZED GASEOUS PRODUCT

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR VARIABLEN ERZEUGUNG EINES GASFÖRMIGEN DRUCKPRODUKTS

Title (fr)  
PROCEDE ET DISPOSITIF DE PRODUCTION VARIABLE D'UN PRODUIT GAZEUX COMPRI ME

Publication  
**EP 0842385 A1 19980520 (DE)**

Application  
**EP 96927545 A 19960718**

Priority  
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• EP 9603175 W 19960718

Abstract (en)  
[origin: DE19526785C1] In the method proposed, charge air is fed to a cryogenic rectifying system (15, 16) where it is split up into its constituent gases, and a liquid fraction (31, 32) is taken off and passed into a first storage tank (33). The pressure of any suitable amount of the liquid fraction (34) is increased (35). The liquid fraction (36) is then evaporated under the increased pressure by indirect heat exchange (12) and converted into a pressurized gaseous product (37). A heat-transfer fluid circulates in a refrigeration circuit fitted with a compressor (41, 42). Part (45) of the flow of heat-transfer fluid (44) compressed in the compressor (41, 42) is fed to the indirect heat-exchange unit (12) where the liquid fraction (36) is evaporated and the heat-transfer fluid (44) at least partly liquefied. Another part (59) of the flow of heat-transfer fluid (44) compressed in the compressor (41, 42) is allowed to expand (43), doing useful work. Liquefied heat-transfer fluid (45, 48) is stored in a buffer storage tank (49).

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IPC 8 full level  
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Citation (search report)  
See references of WO 9704279A1

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