

Title (en)
Process for the production of a gas under pressure in variable quantities

Title (de)
Verfahren zur Herstellung von Druckgas mit variablen Mengen

Title (fr)
Procédé de production d'un gaz sous pression à débit variable

Publication
EP 0694746 A1 19960131 (FR)

Application
EP 95401774 A 19950726

Priority
FR 9409481 A 19940729

Abstract (en)
A process and installation are claimed for the production of a gas under pressure, at a variable flow rate, particularly for the distillation of air to produce oxygen and nitrogen streams. Air is distilled in a distillation column (7) after cooling by heat exchange (6) with distillation products. Liquid oxygen is withdrawn from the column (16 and 17) and stored (11) at near atmospheric pressure, then used at a variable rate (12). Liquified air is stored (13) at a pressure higher than that in the distillation column before use. It is fed to the column as needed via a pressure reducing valve (25).
<IMAGE>

Abstract (fr)
Dans une installation de production d'un gaz sous pression à débit variable comprenant un appareil de distillation d'air (7), une ligne d'échange thermique (6), des moyens (16, 17) pour soutirer du liquide de cet appareil, un récipient (11) de stockage de liquide relié à l'appareil de distillation (7) et muni de moyens (12) pour soutirer du liquide à débit réglable, et un récipient (13) de stockage d'air liquide, on stocke le liquide soutiré dans le récipient (11) sous une pression voisine de la pression atmosphérique, tandis que le récipient (13) de stockage d'air liquide se trouve sous une pression nettement supérieure à la plus forte pression de fonctionnement de l'appareil de distillation (7). <IMAGE>

IPC 1-7
F25J 3/04

IPC 8 full level
F25J 3/02 (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP KR US)
F25J 3/04 (2013.01 - KR); **F25J 3/0409** (2013.01 - EP US); **F25J 3/04175** (2013.01 - EP US); **F25J 3/04236** (2013.01 - EP US); **F25J 3/04296** (2013.01 - EP US); **F25J 3/04412** (2013.01 - EP US); **F25J 3/04509** (2013.01 - EP US); **Y10S 62/913** (2013.01 - EP US)

Citation (applicant)
• FR 1158639 A 19580617 - AIR LIQUIDE
• FR 2674011 A1 19920918 - GRENIER MAURICE
• FR 2688052 A1 19930903 - GRENIER MAURICE [FR]
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Citation (search report)
• [DA] FR 2685460 A1 19930625 - GRENIER MAURICE [FR]
• [A] AT 383884 B 19870910 - MESSER GRIESHEIM AUSTRIA GES M [AT]
• [X] PATENT ABSTRACTS OF JAPAN vol. 015, no. 069 (M - 1083) 19 February 1991 (1991-02-19)
• [X] PATENT ABSTRACTS OF JAPAN vol. 18, no. 217 (M - 1594) 19 April 1994 (1994-04-19)

Designated contracting state (EPC)
BE DE ES FR GB IT NL

DOCDB simple family (publication)
EP 0694746 A1 19960131; **EP 0694746 B1 20000419**; CA 2154984 A1 19960130; CN 1119607 C 20030827; CN 1154463 A 19970716; DE 69516339 D1 20000525; DE 69516339 T2 20000921; ES 2145885 T3 20000716; FR 2723184 A1 19960202; FR 2723184 B1 19960906; JP H08170875 A 19960702; KR 100394311 B1 20031022; KR 960003774 A 19960223; US 5526647 A 19960618; ZA 956332 B 19960311

DOCDB simple family (application)
EP 95401774 A 19950726; CA 2154984 A 19950728; CN 95115263 A 19950728; DE 69516339 T 19950726; ES 95401774 T 19950726; FR 9409481 A 19940729; JP 9391595 A 19950728; KR 19950022829 A 19950728; US 42463395 A 19950419; ZA 956332 A 19950728