

Title (en)

Process for supplying gas to a consumption unit

Title (de)

Verfahren zur Gasversorgung einer Verbrauchereinheit

Title (fr)

Procédé pour l'alimentation d'une unité consommatrice d'un gaz

Publication

EP 0833120 A1 19980401 (FR)

Application

EP 97402214 A 19970924

Priority

FR 9611680 A 19960925

Abstract (en)

A procedure for feeding a consumer unit (HF) with gas, especially an air gas produced by a cryogen distillation separator, consists of passing the gas through a compressor (21), feeding part of the gas (28) to the consumer unit and passing a second part (23) through a separator (25). In the separator the gas is divided into two flows, one at a higher pressure than the other. The higher pressure flow (24) is fed to the consumer unit, if necessary mixed with the first part (28) of the compressed gas flow, and the lower pressure flow (26) is fed back to the compressor (21).

Abstract (fr)

Une unité consommatrice d'un gaz (HF) est alimentée partiellement par un débit provenant directement d'une unité de compression (21) et partiellement provenant d'un appareil de séparation (25) qui est lui-même alimenté par un débit provenant directement de l'unité de compression. Un autre débit produit par l'appareil de séparation mais à pression plus basse est renvoyé à une unité de compression, pour être ensuite envoyé à l'unité consommatrice. <IMAGE>

IPC 1-7

F25J 3/04

IPC 8 full level

B01J 4/00 (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP US)

F25J 3/04024 (2013.01 - EP); **F25J 3/0409** (2013.01 - EP US); **F25J 3/04303** (2013.01 - EP US); **F25J 3/04309** (2013.01 - EP US); **F25J 3/04381** (2013.01 - EP); **F25J 3/04412** (2013.01 - EP US); **F25J 3/04527** (2013.01 - EP US); **F25J 3/04551** (2013.01 - EP US); **F25J 3/04557** (2013.01 - EP US); **F25J 3/046** (2013.01 - EP US); **F25J 3/04606** (2013.01 - EP US); **F25J 3/04957** (2013.01 - EP US); **F25J 2230/24** (2013.01 - EP US); **F25J 2230/40** (2013.01 - EP US); **F25J 2245/50** (2013.01 - EP US)

Citation (search report)

- [A] EP 0653599 A1 19950517 - AIR LIQUIDE [FR]
- [A] DE 4219160 A1 19921217 - AIR LIQUIDE [FR]
- [AD] PATENT ABSTRACTS OF JAPAN vol. 010, no. 335 (C - 384) 13 November 1986 (1986-11-13)

Cited by

EP2568242A1; FR2960555A1; WO2020048634A1

Designated contracting state (EPC)

BE DE ES FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0833120 A1 19980401; **EP 0833120 B1 20011219**; CA 2216495 A1 19980325; CN 1068050 C 20010704; CN 1186862 A 19980708; DE 69709282 D1 20020131; DE 69709282 T2 20020725; ES 2169335 T3 20020701; FR 2753638 A1 19980327; FR 2753638 B1 19981030; JP H10180082 A 19980707; KR 100501056 B1 20050926; KR 19980024948 A 19980706; PL 322293 A1 19980330; US 6062043 A 20000516; ZA 978559 B 19980323

DOCDB simple family (application)

EP 97402214 A 19970924; CA 2216495 A 19970925; CN 97121398 A 19970925; DE 69709282 T 19970924; ES 97402214 T 19970924; FR 9611680 A 19960925; JP 26066097 A 19970925; KR 19970048650 A 19970925; PL 32229397 A 19970925; US 93604197 A 19970925; ZA 978559 A 19970923