

Title (en)

Use of elevated pressure nitrogen rich gas streams to perform work

Title (de)

Verwendung von stickstoffreichen Gasen unter hohem Druck zur Arbeitsleistung

Title (fr)

Utilisation de gaz, sous pression élevée, riche en azote, pour accomplir du travail

Publication

**EP 0845644 A3 19980805 (EN)**

Application

**EP 97309545 A 19971126**

Priority

GB 9624819 A 19961128

Abstract (en)

[origin: EP0845644A2] The nitrogen rich stream produced by a cryogenic air separation unit is heated indirectly by burning low grade fuel gas in a burner (20) at low pressure and the heated, elevated pressure nitrogen rich stream produced is expanded in a turbine (24) to obtain useful work prior to the discharge of the nitrogen rich stream at an outlet (28).

IPC 1-7

**F25J 3/04**

IPC 8 full level

**F02C 3/22** (2006.01); **F23C 99/00** (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP)

**F25J 3/04545** (2013.01); **F25J 3/04557** (2013.01); **F25J 3/04581** (2013.01); **F25J 3/04593** (2013.01); **F25J 3/04612** (2013.01)

Citation (search report)

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- [DA] US 5040370 A 19910820 - RATHBONE THOMAS [GB]
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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0845644 A2 19980603**; **EP 0845644 A3 19980805**; **EP 0845644 B1 20040324**; CN 1190727 A 19980819; DE 69728238 D1 20040429; GB 9624819 D0 19970115; JP H10184388 A 19980714; KR 19980042823 A 19980817; ZA 9710736 B 19980717

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