

Title (en)

PROCESS FOR PREPARING NITROGEN.

Publication

**EP 0610972 A3 19940928 (FR)**

Application

**EP 94106964 A 19900813**

Priority

- EP 90402289 A 19900813
- FR 8911009 A 19890818

Abstract (en)

[origin: EP0413631A1] The cooling requirements of the plant are provided, from a fractional distillation (4) at a relatively low pressure, by decompressing (3) one or more fluids including the mixture to be treated, or by decompressing a part of the cycle gas. <IMAGE>

IPC 1-7

**F25J 3/04**

IPC 8 full level

**F25J 3/04** (2006.01)

CPC (source: EP US)

**F25J 3/0429** (2013.01 - EP US); **F25J 3/04296** (2013.01 - EP US); **F25J 3/04351** (2013.01 - EP US); **F25J 3/04357** (2013.01 - EP US);  
**F25J 3/04393** (2013.01 - EP US); **F25J 3/044** (2013.01 - EP US); **F25J 3/0443** (2013.01 - EP US); **F25J 3/04509** (2013.01 - EP US);  
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**F25J 2215/44** (2013.01 - EP US); **F25J 2220/42** (2013.01 - EP US); **F25J 2245/40** (2013.01 - EP US); **F25J 2245/42** (2013.01 - EP US);  
**Y10S 62/901** (2013.01 - EP US); **Y10S 62/913** (2013.01 - EP US); **Y10S 62/939** (2013.01 - EP US)

Citation (search report)

- [YA] EP 0183446 A2 19860604 - UNION CARBIDE CORP [US]
- [YA] US 4662918 A 19870505 - AGRAWAL RAKESH [US], et al
- [A] CHEMICAL ABSTRACTS, vol. 88, no. 20, 15 May 1978, Columbus, Ohio, US; abstract no. 138644m, "AIR SEPARATION FOR PERIODIC PRODUCTION OF GASEOUS OXYGEN OR NITROGEN AND LIQUID OXYGEN OR NITROGEN" page 124; column 1; & JP S5231839 B1 19770817

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0413631 A1 19910220; EP 0413631 B1 19941228**; CA 2023503 A1 19910219; CA 2023503 C 20000627; DE 69015504 D1 19950209;  
DE 69015504 T2 19950601; DE 69030327 D1 19970430; DE 69030327 T2 19971030; EP 0610972 A2 19940817; EP 0610972 A3 19940928;  
EP 0610972 B1 19970326; FR 2651035 A1 19910222; FR 2651035 B1 19941223; JP 3162361 B2 20010425; JP H03186183 A 19910814;  
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