Title (en)

Process and plant for air separation

Title (de)

Verfahren und Anlage zur Lufttrennung

Title (fr)

Procédé et installation de séparation d'air

Publication

**EP 0713069 B1 20000426 (FR)**

Application

**EP 96200235 A 19921209**

Priority

- EP 92403330 A 19921209
- FR 9115705 A 19911218

Abstract (en)

[origin: EP0547946A1] According to this process: - the intermediate pressure column (2) is operated at a pressure higher than 6 bars and preferably of at least approximately 9 bars absolute; - a first vaporization gas which is less volatile than nitrogen from the top of the intermediate pressure column (2) is condensed in the vessel condenser (8) of the low pressure column (3); and - nitrogen from the top of the intermediate pressure column is condensed and is then conveyed as reflux to the top of the intermediate pressure column, at a level of the low pressure column (3) which is situated above the said vessel condenser (8). Application to twin-column air distillation plants coupled to a gas turbine. <IMAGE>

IPC 1-7

**F25J 3/04**

IPC 8 full level

**F25J 3/04** (2006.01)

CPC (source: EP US)

**F25J 3/0409** (2013.01 - EP US); **F25J 3/04206** (2013.01 - EP US); **F25J 3/04303** (2013.01 - EP US); **F25J 3/04351** (2013.01 - EP US); **F25J 3/04418** (2013.01 - EP US); F25J 2200/20 (2013.01 - EP US); F25J 2200/52 (2013.01 - EP US); F25J 2200/54 (2013.01 - EP US); F25J 2200/90 (2013.01 - EP US); F25J 2210/42 (2013.01 - EP US); F25J 2215/50 (2013.01 - EP US); F25J 2250/10 (2013.01 - EP US); F25J 2250/20 (2013.01 - EP US); F25J 2250/40 (2013.01 - EP US); F25J 2250/50 (2013.01 - EP US); Y10S 62/939 (2013.01 - EP US)

Citation (examination)

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Cited by

EP0834712A3; EP1099922B1

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BE DE ES FR GB IT NL SE

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**EP 0547946 A1 19930623**; **EP 0547946 B1 19961009**; **EP 0547946 B2 20000322**; AU 3022192 A 19930624; AU 654601 B2 19941110; BR 9205050 A 19930810; CA 2085561 A1 19930619; CN 1068428 C 20010711; CN 1088301 A 19940622; DE 69214409 D1 19961114; DE 69214409 T2 19970522; DE 69214409 T3 20000713; DE 69230975 D1 20000531; DE 69230975 T2 20001005; EP 0713069 A1 19960522; EP 0713069 B1 20000426; ES 2092661 T3 19961201; ES 2145967 T3 20000716; FR 2685459 A1 19930625; FR 2685459 B1 19940211; US 5392609 A 19950228

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