

Title (en)  
AIR RECTIFICATION PROCESS AND APPARATUS

Publication  
**EP 0384483 B1 19920722 (DE)**

Application  
**EP 90103572 A 19900223**

Priority  
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• EP 89113815 A 19890726

Abstract (en)  
[origin: EP0384483A2] A process and apparatus for air rectification are described. Nitrogen (16) taken off from the process is warmed to a medium temperature, partially passed out (30) of the main heat exchanger (17) and expanded (31) producing energy. The expanded gas (32) releases its cold in the main heat exchanger (17) to air (1) to be separated and is re-compressed (33, 36). <IMAGE>

IPC 1-7  
**F25J 3/04**

IPC 8 full level  
**B01D 3/14** (2006.01); **F01K 25/10** (2006.01); **F25J 3/02** (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP US)  
**F25J 3/0409** (2013.01 - EP US); **F25J 3/04206** (2013.01 - EP US); **F25J 3/0423** (2013.01 - US); **F25J 3/04315** (2013.01 - EP US); **F25J 3/04327** (2013.01 - US); **F25J 3/04351** (2013.01 - EP US); **F25J 3/04412** (2013.01 - EP US); **F25J 3/04678** (2013.01 - US); **F25J 3/04709** (2013.01 - US); **F25J 3/0486** (2013.01 - EP US); **F25J 2200/20** (2013.01 - EP US); **F25J 2230/42** (2013.01 - EP); **F25J 2230/52** (2013.01 - US); **F25J 2235/58** (2013.01 - US); **F25J 2245/02** (2013.01 - US); **F25J 2245/42** (2013.01 - EP US); **F25J 2250/40** (2013.01 - EP US); **F25J 2250/50** (2013.01 - EP US); **Y10S 62/924** (2013.01 - EP US)

Cited by  
EP0713069A1; EP0834712A3; EP0637725A1; DE102013017590A1; EP2801777A1; DE102007031765A1; EP2015012A2; EP2312248A1; EP2520886A1; EP2600090A1; DE102009034979A1; DE102012017488A1; EP2963369A1; DE102007031759A1; EP2963371A1; EP2015013A2; EP2551619A1; EP2963367A1; WO2016005031A1; EP0605262B1; DE102010052544A1; EP2466236A1; EP2568242A1; DE102011112909A1; WO2014154339A2; EP2963370A1; EP2458311A1; DE102010052545A1; DE102011121314A1; EP2784420A1; EP0562893B2

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