

Title (en)

Process for air separation by cryogenic distillation

Title (de)

Verfahren zur Luftzerlegung durch Tieftemperaturdestillation

Title (fr)

Procédé de séparation d'air par distillation cryogénique

Publication

**EP 1106945 B1 20050601 (FR)**

Application

**EP 00403354 A 20001130**

Priority

FR 9915208 A 19991202

Abstract (en)

[origin: US2001003909A1] In an apparatus for the separation of air by cryogenic distillation, the overhead gas of a mixing column is sent to the passages for warming a bottom reboiler of the low-pressure column of a double column fed with air to be distilled. This increases the production of oxygen in the bottom of the low-pressure column.

IPC 1-7

**F25J 3/04**

IPC 8 full level

**F25J 3/04** (2006.01)

CPC (source: EP US)

**F25J 3/0446** (2013.01 - EP US); **F25J 3/04466** (2013.01 - EP US); **F25J 3/04715** (2013.01 - EP US); **F25J 3/04969** (2013.01 - EP US); **F25J 2200/06** (2013.01 - EP US); **F25J 2235/50** (2013.01 - EP US); **F25J 2245/02** (2013.01 - EP US); **F25J 2245/50** (2013.01 - EP US); **F25J 2250/20** (2013.01 - EP US); **Y10S 62/924** (2013.01 - EP US)

Cited by

CN103162512A; CN102620520A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**US 2001003909 A1 20010621**; **US 6385996 B2 20020514**; AT E297001 T1 20050615; DE 60020500 D1 20050707; DE 60020500 T2 20060323; EP 1106945 A1 20010613; EP 1106945 B1 20050601; FR 2801963 A1 20010608; FR 2801963 B1 20020329; JP 2001194058 A 20010717

DOCDB simple family (application)

**US 72546200 A 20001130**; AT 00403354 T 20001130; DE 60020500 T 20001130; EP 00403354 A 20001130; FR 9915208 A 19991202; JP 2000368526 A 20001204