

Title (en)

Process and apparatus for the separation of air by cryogenic distillation

Title (de)

Verfahren und Vorrichtung zur Tieftemperaturzerlegung von Luft

Title (fr)

Procédé et dispositif pour la séparation cryogénique d'air

Publication

EP 1746374 A2 20070124 (EN)

Application

EP 06117128 A 20060713

Priority

US 68174905 P 20050721

Abstract (en)

A cryogenic distillation apparatus for the separation of air using a column system comprises at least one column (HP,LP,M) a main heat exchanger (E1), a conduit (5,11,7) for sending cooled compressed air to the main heat exchanger and from the main heat exchanger to the column system, conduits (33,19) for sending oxygen enriched, and nitrogen enriched streams from the column system to the main heat exchanger, a purge vaporizer (E2), a conduit for removing a purge stream (31) from the column system and sending the purge stream to the purge vaporizer, a conduit (13) for sending compressed and purified air (9) to the purge vaporizer and a conduit for sending compressed and purified air from the purge vaporizer to the column system.

IPC 8 full level

F25J 3/04 (2006.01)

CPC (source: EP)

F25J 3/04048 (2013.01); **F25J 3/04218** (2013.01); **F25J 3/0423** (2013.01); **F25J 3/04284** (2013.01); **F25J 3/04303** (2013.01); **F25J 3/04333** (2013.01); **F25J 3/044** (2013.01); **F25J 3/04466** (2013.01); **F25J 3/04787** (2013.01); **F25J 3/0486** (2013.01); **F25J 3/04872** (2013.01); **F25J 2200/06** (2013.01); **F25J 2200/72** (2013.01); **F25J 2200/90** (2013.01); **F25J 2235/50** (2013.01); **F25J 2245/02** (2013.01); **F25J 2245/40** (2013.01); **F25J 2250/10** (2013.01); **F25J 2250/20** (2013.01); **F25J 2250/40** (2013.01); **F25J 2250/50** (2013.01); **F25J 2250/52** (2013.01)

Citation (applicant)

- US 5379599 A 19950110 - MOSTELLO ROBERT A [US]
- US 5471842 A 19951205 - MOSTELLO ROBERT A [US], et al

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EP2614326A4; AU2012230171B2; WO2012004241A2; WO2012127148A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1746374 A2 20070124; **EP 1746374 A3 20111221**; AU 2005225027 A1 20070208; CN 1904531 A 20070131; CN 1904531 B 20100623

DOCDB simple family (application)

EP 06117128 A 20060713; AU 2005225027 A 20051017; CN 200610106497 A 20060721