

Title (en)

METHOD AND APPARATUS FOR SEPARATING AIR BY CYROGENIC DISTILLATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR LUFTTRENNUNG DURCH KRYOGENE DESTILLATION

Title (fr)

PROCEDE ET APPAREIL DE SEPARATION D'AIR PAR DISTILLATION CRYOGENIQUE

Publication

**EP 2795215 A1 20141029 (FR)**

Application

**EP 12815737 A 20121213**

Priority

- FR 1162172 A 20111221
- FR 2012052921 W 20121213

Abstract (en)

[origin: WO2013093305A1] An apparatus for separating air by cryogenic distillation comprises N air compressors (C1, C2, C3), which are connected so that they receive air at ambient pressure and which are designed to produce air at a first pressure higher than 12 bar abs, N being at least equal to 3, each of the compressors being driven by a single asynchronous motor (M1, M2, M3), the total power of the compressors being at least equal to 10 MW.

IPC 8 full level

**F25J 3/04** (2006.01)

CPC (source: EP US)

**F25J 1/00** (2013.01 - US); **F25J 1/0012** (2013.01 - US); **F25J 3/04** (2013.01 - US); **F25J 3/04012** (2013.01 - US);  
**F25J 3/04018** (2013.01 - EP US); **F25J 3/04109** (2013.01 - US); **F25J 3/04133** (2013.01 - EP US); **F25J 3/04151** (2013.01 - US);  
**F25J 3/04163** (2013.01 - US); **F25J 3/04169** (2013.01 - US); **F25J 3/04775** (2013.01 - US); **F25J 3/04781** (2013.01 - US);  
**F25J 3/04866** (2013.01 - US); **F25J 3/0489** (2013.01 - US); **F25J 3/04951** (2013.01 - US); **F25J 3/04957** (2013.01 - EP US);  
**F25J 2230/02** (2013.01 - US); **F25J 2230/24** (2013.01 - EP US); **F25J 2230/30** (2013.01 - US); **F25J 2230/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2013093305A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2013093305 A1 20130627**; CA 2859478 A1 20130627; CA 2859478 C 20200310; CN 104024775 A 20140903; CN 104024775 B 20161012;  
EP 2795215 A1 20141029; EP 2795215 B1 20160323; FR 2985005 A1 20130628; FR 2985005 B1 20171222; US 2015000335 A1 20150101;  
US 9562716 B2 20170207

DOCDB simple family (application)

**FR 2012052921 W 20121213**; CA 2859478 A 20121213; CN 201280062162 A 20121213; EP 12815737 A 20121213; FR 1162172 A 20111221;  
US 201214366701 A 20121213