

Title (en)  
PROCESS AND APPARATUS FOR SEPARATING AIR BY CRYOGENIC DISTILLATION

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR LUFTTRENNUNG DURCH KRYOGENE DESTILLATION

Title (fr)  
PROCÉDÉ ET APPAREIL DE SÉPARATION D'AIR PAR DISTILLATION CRYOGÉNIQUE

Publication  
**EP 3069091 A2 20160921 (FR)**

Application  
**EP 14806034 A 20141107**

Priority  
• FR 1361128 A 20131114  
• FR 2014052852 W 20141107

Abstract (en)  
[origin: WO2015071578A2] A process comprises a first set of distillation columns (1) and a second set of distillation columns (2), a low-pressure column (5) of the first set being connected to a column operating at higher pressure (3') of the second set by means of a gas (15) arriving from the top of the column operating at a higher pressure and/or by means of a fluid (17) arriving from the low-pressure column.

IPC 8 full level  
**F25J 3/04** (2006.01)

CPC (source: CN EP US)  
**F25J 3/0403** (2013.01 - CN); **F25J 3/04036** (2013.01 - CN); **F25J 3/04169** (2013.01 - EP US); **F25J 3/04181** (2013.01 - EP US); **F25J 3/04412** (2013.01 - EP US); **F25J 3/04448** (2013.01 - EP US); **F25J 3/04454** (2013.01 - EP US); **F25J 3/04957** (2013.01 - EP US); **F25J 3/04963** (2013.01 - EP US); **F25J 2200/10** (2013.01 - EP US); **F25J 2200/20** (2013.01 - EP US); **F25J 2205/62** (2013.01 - EP US); **F25J 2205/66** (2013.01 - EP US); **F25J 2235/42** (2013.01 - EP US); **F25J 2245/42** (2013.01 - EP US)

Citation (search report)  
See references of WO 2015071578A2

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**FR 3013105 A1 20150515; FR 3013105 B1 20160101**; CN 105765329 A 20160713; EP 3069091 A2 20160921; EP 3069091 B1 20180404; US 10605523 B2 20200331; US 2016298900 A1 20161013; WO 2015071578 A2 20150521; WO 2015071578 A3 20151203

DOCDB simple family (application)  
**FR 1361128 A 20131114**; CN 201480061016 A 20141107; EP 14806034 A 20141107; FR 2014052852 W 20141107; US 201415036447 A 20141107