

Title (en)

METHOD AND DEVICE FOR PRODUCING ARGON BY CRYOGENIC DISTILLATION OF AIR

Title (de)

VERFAHREN UND GERÄT ZUR ARGONHERSTELLUNG DURCH KRYOGENE DESTILLATION VON LUFT

Title (fr)

PROCÉDÉ ET APPAREIL DE PRODUCTION D'ARGON PAR DISTILLATION CRYOGÉNIQUE DE L'AIR

Publication

EP 3604994 B1 20210113 (FR)

Application

EP 19187493 A 20190722

Priority

FR 1857220 A 20180801

Abstract (en)

[origin: US2020041204A1] Plant for the production of argon by cryogenic distillation, comprising an argon separation column, means for sending a gas containing argon and oxygen to the argon separation column, means for extracting a fluid enriched in argon at the top of the argon separation column, means for extracting a liquid enriched in oxygen at the bottom of the argon separation column and at least two storage tanks, positioned one above the other, each storage tank being connected to two different intermediate levels of the argon separation column by two pipes, the two storage tanks being contiguous.

IPC 8 full level

F25J 3/04 (2006.01)

CPC (source: CN EP US)

F25J 3/04072 (2013.01 - CN); **F25J 3/044** (2013.01 - CN); **F25J 3/04412** (2013.01 - EP); **F25J 3/0449** (2013.01 - EP);
F25J 3/04678 (2013.01 - EP); **F25J 3/04721** (2013.01 - US); **F25J 3/048** (2013.01 - EP US); **F25J 3/04842** (2013.01 - US);
F25J 3/04866 (2013.01 - CN); **F25J 3/04872** (2013.01 - EP); **F25J 3/04878** (2013.01 - US); **F25J 3/04896** (2013.01 - EP);
F25J 3/04927 (2013.01 - US); **F25J 2210/40** (2013.01 - CN); **F25J 2215/58** (2013.01 - CN); **F25J 2290/62** (2013.01 - EP US)

Cited by

FR3110686A1

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)

EP 3604994 A1 20200205; **EP 3604994 B1 20210113**; CN 110793271 A 20200214; CN 110793271 B 20220722; FR 3084736 A1 20200207;
FR 3084736 B1 20220415; US 11441840 B2 20220913; US 2020041204 A1 20200206

DOCDB simple family (application)

EP 19187493 A 20190722; CN 201910698523 A 20190731; FR 1857220 A 20180801; US 201916527467 A 20190731