

Title (en)

Control process for cryogenic rectification plant

Title (de)

Regelverfahren für eine Tieftemperatur-Rektifikationsanlage

Title (fr)

Procédé de régulation pour une installation de rectification cryogénique

Publication

**EP 1191291 B1 20050504 (DE)**

Application

**EP 01122754 A 20010921**

Priority

- EP 01122754 A 20010921
- DE 10047102 A 20000921
- EP 01103827 A 20010215

Abstract (en)

[origin: EP1191291A1] Process for regulating the capacity of a low temperature rectification plant comprises feeding a liquid to a column (1) operating at elevated temperature in a low temperature rectification plant containing a the column (1) and a column (2) operating at a low temperature; and feeding the liquid from the sump of the column (1) to the column (2). The amount of liquid removed from the sump of column (1) and fed to column (2) is regulated using a through-flow regulator (4). An adjusting parameter for the regulator is adjusted to a required through-flow amount and the level of the liquid in the sump is adjusted without using a theoretical value corresponding to the amount of liquid removed. Preferred Features: The low temperature rectification plant is used for decomposing air. The plant additionally contains an argon column (8) with a head condenser (9), a valve (5) for controlling the amount of liquid flowing to the column (2), and a valve (11) for controlling the liquid entering the head condenser of the argon column.

IPC 1-7

**F25J 3/02**

IPC 8 full level

**F25J 3/04** (2006.01)

CPC (source: EP)

**F25J 3/04303** (2013.01); **F25J 3/04412** (2013.01); **F25J 3/04678** (2013.01); **F25J 3/04793** (2013.01); **F25J 3/048** (2013.01); **F25J 2235/58** (2013.01)

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)

**EP 1191291 A1 20020327; EP 1191291 B1 20050504**

DOCDB simple family (application)

**EP 01122754 A 20010921**