

Title (en)

Method and device for producing nitrogen by cryogenic distillation of air

Title (de)

Verfahren und Gerät zur Stickstoffherstellung durch Tieftemperaturdestillation von Luft

Title (fr)

Procédé et appareil de production d'azote par distillation cryogénique d'air

Publication

**EP 2381197 B1 20130918 (FR)**

Application

**EP 11160944 A 20110404**

Priority

FR 1053075 A 20100422

Abstract (en)

[origin: EP2381197A1] The method involves sending a flow of nitrogen-rich cryogenic liquid coming from an external source (7) to a top of a cryogenic distillation column (5), where the flow rate of cryogenic liquid sent to the column is less than a value if the carbon monoxide content in the air does not exceed a previously defined threshold i.e. 5 ppm. The flow rate of cryogenic liquid sent to the column is greater than the value if the carbon monoxide content of the air exceeds the threshold. The flow rate of air (1) sent to the column is reduced if the carbon monoxide content of the air exceeds the threshold. An independent claim is also included for an apparatus for producing nitrogen by cryogenic distillation.

IPC 8 full level

**F25J 3/04** (2006.01)

CPC (source: EP US)

**F25J 3/04254** (2013.01 - EP US); **F25J 3/044** (2013.01 - EP US); **F25J 3/04793** (2013.01 - EP US); **F25J 3/0655** (2013.01 - US); **F25J 2210/42** (2013.01 - EP US); **F25J 2215/44** (2013.01 - EP US); **F25J 2220/44** (2013.01 - EP US)

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