

Title (en)

Process and device for separating a gaseous mixture by cryogenic distillation

Title (de)

Verfahren und Vorrichtung zur Zerlegung einer Gasmischung durch Tieftemperaturdistillation

Title (fr)

Procédé et installation de séparation d'un mélange gazeux par distillation cryogénique

Publication

EP 1063484 B1 20040225 (FR)

Application

EP 00401767 A 20000621

Priority

FR 9908011 A 19990623

Abstract (en)

[origin: EP1063484A1] Cryogenic distillation includes supplying a compressed, purified and cooled gas to a distillation column and supplying to a pump a liquid drawn off from the column. A barrier gas used in pump(s) in the distillation system is a gas and/or vapor from outside the system and/or a vaporized liquid drawn off from a column. An Independent claim is included for a cryogenic distillation system as above . Preferred Features: The gas supplied to the plant is air including traces of methane, carbon monoxide or hydrogen. The liquid supplied to the pump is rich in oxygen, nitrogen or argon. On leaving the pump it passes to an exchanger used to cool the gas supplied to the column.

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