

Title (en)

METHOD AND DEVICE FOR SEPARATING A GAS MIXTURE BY CRYOGENIC DISTILLATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TRENNUNG EINER GASMISCHUNG DURCH KRYOGENE DESTILLATION

Title (fr)

PROCEDE ET APPAREIL DE SEPARATION D'UN MELANGE GAZEUX PAR DISTILLATION CRYOGENIQUE

Publication

EP 2104825 A2 20090930 (FR)

Application

EP 07871966 A 20071218

Priority

- FR 2007052552 W 20071218
- FR 0655924 A 20061222

Abstract (en)

[origin: FR2910604A1] The apparatus has a purifying apparatus (A) for purifying a gas mixture (1) in a system, which is formed by a set of adsorbent bottles, low pressure column systems (LP), medium pressure column system (MP) and argon column system (AR). Valves (v19, v29) send a cryogen liquid to a storage container (15), and valves (2, V2) send a vaporized liquid of the storage container to the column system (MP). The storage container has a vaporizer (R2) for vaporizing the liquid. A gas transporting unit sends a calorogenic gas to the vaporizer, and a dump valve (3) draws out liquid from the storage container. An independent claim is also included for a cryogenic method for distilling a gas mixture.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2008084167A2

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