

Title (en)

GAS PURIFICATION METHOD AND DEVICE

Title (de)

GASREINIGUNGSVERFAHREN UND -VORRICHTUNG

Title (fr)

PROCÉDÉ ET UN DISPOSITIF DE PURIFICATION DE GAZ

Publication

EP 4072996 A1 20221019 (FR)

Application

EP 20803846 A 20201112

Priority

- FR 1914226 A 20191212
- EP 2020081905 W 20201112

Abstract (en)

[origin: WO2021115719A1] Disclosed is a method for purifying a main gas, in particular helium, from a source gas stream (1) comprising the main gas, a main impurity, in particular nitrogen, and optionally another, secondary impurity, in particular oxygen, the method comprising a step (2) of partial condensation of the gas stream in order to extract therefrom impurities in liquid form, in particular the main impurity, and to produce a gas stream enriched with main gas, characterised in that the method comprises, before the partial condensation step (2), a step (4) of injecting into the gas stream a compound in which the main impurity of the gas to be treated is soluble and having a saturation vapour pressure lower than the saturation vapour pressure of the main impurity.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2021115719A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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