

Title (en)

METHOD FOR EXTRACTING ETHANE FROM AN INITIAL NATURAL GAS STREAM AND CORRESPONDING PLANT

Title (de)

VERFAHREN ZUR EXTRAKTION VON ETHAN AUS EINEM ANFÄNGLICHEN ERDGASSTROM UND ENTSPRECHENDE ANLAGE

Title (fr)

PROCÉDÉ D'EXTRACTION D'ÉTHANE DANS UN COURANT DE GAZ NATUREL DE DÉPART ET INSTALLATION CORRESPONDANT

Publication

**EP 4244557 B1 20240821 (FR)**

Application

**EP 21810002 A 20211109**

Priority

- FR 2011521 A 20201110
- EP 2021081135 W 20211109

Abstract (en)

[origin: WO2022101211A1] This method comprises the following steps: - recovering and compressing a top stream (98) from a separating column (34) in order to form a compressed purified natural gas stream (102); - liquefying the compressed purified natural gas stream (102) in a liquefaction unit (24) in order to form a stream (120) of pressurized liquefied natural gas; - flash expansion of the pressurized liquefied natural gas stream (120) and recovery in a storage tank (66); - recovery and compression of a flash gas stream (126) resulting from the expansion; - separating the compressed flash gas stream (132) into a fuel stream (20) and into a recycle stream (134); - cooling and expansion of the recycle stream (134), then introducing the cooled and expanded recycle stream at a top stage of the separating column (34).

IPC 8 full level

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CPC (source: EP KR US)

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