

Title (en)

METHOD FOR DENITROGENATION OF NATURAL GAS WITH OR WITHOUT HELIUM RECOVERY

Title (de)

VERFAHREN ZUR STICKSTOFFENTFERNUNG AUS ERDGAS MIT ODER OHNE HELIUMGEWINNUNG

Title (fr)

PROCEDE DE DEAZOTATION DU GAZ NATUREL AVEC OU SANS RECUPERATION D'HELIUM

Publication

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Application

EP 14799510 A 20141014

Priority

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Abstract (en)

[origin: WO2015055938A2] The invention relates to a method for denitrogenation of natural gas by distillation, in which natural gas (11, 12) cooled in an exchange line (1) is separated in a system of columns including at least one column (2,3), a nitrogen-enriched gas (18) is drawn from one column (3) of the system of columns and is heated in the exchange line, a methane-enriched liquid (13) is drawn from one column (3) of the system of columns, pressurised and vaporised in the exchange line at at least one vaporisation pressure, and at least one portion of the cooled natural gas expands in gaseous form in a turbine (7) and is sent to one column (2) of the system of columns in gaseous form.

IPC 8 full level

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