

Title (en)

HELIUM RECOVERY FROM NATURAL GAS INTEGRATED WITH NGL RECOVERY

Title (de)

HELIUMGEWINNUNG AUS ERDGAS IN VERBINDUNG MIT NGL-GEWINNUNG

Title (fr)

RÉCUPÉRATION DE L HÉLIUM DANS LE GAZ NATUREL INTÉGRÉE À LA RÉCUPÉRATION DU LGN

Publication

EP 2350546 A1 20110803 (EN)

Application

EP 09819614 A 20090728

Priority

- US 2009051968 W 20090728
- US 10343608 P 20081007

Abstract (en)

[origin: WO2010042266A1] The invention relates to a process for producing a helium-enriched vapor stream, a methane- enriched vapor stream, and a liquid stream enriched in hydrocarbons heavier than methane from a pressurized, multicomponent, multiphase stream comprising methane (C1), helium (He) and hydrocarbons heavier than methane (C2+). The process includes cooling the multiphase stream to produce at least one vapor stream enriched in helium and at least one liquid stream, withdrawing at least a portion of the at least one vapor stream as a helium- enriched product stream, passing at least a portion of the at least one liquid stream to a demethanizer, withdrawing from the demethanizer a vapor enriched in methane (C1), and withdrawing from the demethanizer a liquid enriched in hydrocarbons heavier than methane (C2+).

IPC 8 full level

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Citation (search report)

See references of WO 2010042266A1

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