

Title (en)
SIMPLIFIED METHOD FOR PRODUCING A METHANE-RICH STREAM AND A C2+ HYDROCARBON-RICH FRACTION FROM A FEED NATURAL-GAS STREAM, AND ASSOCIATED FACILITY

Title (de)
VEREINFACHTES VERFAHREN ZUR ERZEUGUNG EINES METHANREICHEN STROMS UND EINER C2+KOHLENWASSERSTOFFREICHEN FRAKTION AUS EINEM ERDGASZUSTROM UND ENTSPRECHENDE ANLAGE

Title (fr)
PROCÉDÉ SIMPLIFIÉ DE PRODUCTION D'UN COURANT RICHE EN MÉTHANE ET D'UNE COUPE RICHE EN HYDROCARBURES EN C2+ À PARTIR D'UN COURANT DE GAZ NATUREL DE CHARGE, ET INSTALLATION ASSOCIÉE.

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Abstract (en)
[origin: WO2012052681A2] The invention relates to a method which includes cooling the feed natural gas (15) in a first heat exchanger (16), and feeding the cooled feed natural gas (40) into a disengager (18). The method includes dynamically expanding a turbine input flow (46) in a first expansion turbine (22), and feeding the expanded flow (102) into a splitter (26). Said method comprises sampling, at the head of the splitter (26), a methane-rich head stream (82) and sampling, from the compressed methane-rich head stream (86), a first recirculation stream (88). The method includes forming at least one second recirculation stream (96) obtained from the methane-rich head stream (82) downstream from the splitter (26), and forming a dynamic expansion stream (100) from the second recirculation stream (96).

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