

Title (en)

PETROLEUM DISTILLATION METHOD AND FACILITY REUSING LOW-THERMAL-LEVEL ENERGY

Title (de)

ERDÖLDESTILLATIONSVERFAHREN UND -EINRICHTUNG MIT WIEDERVERWENDUNG VON ENERGIE MIT NIEDRIGEM THERMISCHEM NIVEAU

Title (fr)

PROCEDE ET INSTALLATION DE DISTILLATION DE PETROLE REUTILISANT DES ENERGIES DE BAS NIVEAU THERMIQUE

Publication

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Application

EP 10718237 A 20100415

Priority

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- FR 0901851 A 20090416

Abstract (en)

[origin: WO2010119189A1] The invention relates to a method for distilling a multicomponent liquid mixture, such as crude oil, including: (a) a step of preheating said mixture; (b) a step of evaporating said preheated mixture; and (c) a step of distilling said evaporated mixture, a method in which heat from step (c), the temperature of which is greater than 100 °C, is used during the preheating step (a), and in which at least one step for separating said preheated mixture into a liquid portion and an evaporated portion is carried out, the latter portion corresponding to at least one component of the mixture and being directly treated during the distillation step (c), and the mixture treated during the evaporation step (b) being depleted of said evaporated portion, characterized in that it includes a complementary heating step, in which residual power having low heat level is used, the temperature of which is less than 100 °C.

IPC 8 full level

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Citation (search report)

See references of WO 2010119189A1

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