

Title (en)

METHOD OF FRACTIONATING A HYDROCARBON STREAM AND AN APPARATUS THEREFOR

Title (de)

VERFAHREN ZUR FRAKTIONIERUNG EINES KOHLENWASSERSTOFFSTROMS UND VORRICHTUNG DAFÜR

Title (fr)

PROCÉDÉ DE FRACTIONNEMENT D'UN COURANT D'HYDROCARBURES ET APPAREIL CORRESPONDANT

Publication

**EP 2483615 A2 20120808 (EN)**

Application

**EP 10759659 A 20100929**

Priority

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Abstract (en)

[origin: WO2011039279A2] A hydrocarbon stream (200) is separated in a first fractionation device (205) to provide an overhead first hydrocarbon component stream (210) and a first hydrocarbon component depleted bottoms stream (300). The overhead first hydrocarbon component stream (210) is liquefied and at least part of it is then cooled against a refrigerant stream (2160) to provide a cooled liquefied first hydrocarbon component reservoir stream (260) and a warmed refrigerant stream (2170). After reducing the pressure of the cooled liquefied first hydrocarbon component reservoir stream (260), it is stored in a liquid first hydrocarbon component reservoir (285) at a first hydrocarbon component storage pressure of at most just above atmospheric pressure, for use as a refrigerant component reservoir make-up constituent. A first hydrocarbon component supply stream (280) may drawn from the liquid first hydrocarbon component reservoir (285) and passed to at least one refrigerant circuit (1000, 2000).

IPC 8 full level

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CPC (source: EP KR)

**F25B 45/00** (2013.01 - KR); **F25J 1/0022** (2013.01 - EP); **F25J 1/0035** (2013.01 - EP); **F25J 1/0052** (2013.01 - EP); **F25J 1/0055** (2013.01 - EP); **F25J 1/02** (2013.01 - KR); **F25J 1/0214** (2013.01 - EP); **F25J 1/0237** (2013.01 - EP); **F25J 1/025** (2013.01 - EP); **F25J 1/0292** (2013.01 - EP); **F25J 3/02** (2013.01 - KR); **F25J 3/0209** (2013.01 - EP); **F25J 3/0233** (2013.01 - EP); **F25J 3/0238** (2013.01 - EP); **F25J 3/0242** (2013.01 - EP); **F25J 3/0247** (2013.01 - EP); **F25J 2200/02** (2013.01 - EP); **F25J 2200/70** (2013.01 - EP); **F25J 2200/74** (2013.01 - EP); **F25J 2205/04** (2013.01 - EP); **F25J 2215/62** (2013.01 - EP); **F25J 2215/64** (2013.01 - EP); **F25J 2215/66** (2013.01 - EP); **F25J 2230/22** (2013.01 - EP); **F25J 2230/30** (2013.01 - EP); **F25J 2240/02** (2013.01 - EP); **F25J 2240/70** (2013.01 - EP); **F25J 2240/82** (2013.01 - EP); **F25J 2270/12** (2013.01 - EP); **F25J 2290/34** (2013.01 - EP); **F25J 2290/62** (2013.01 - EP)

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