

Title (en)

Method and apparatus for producing a liquefied hydrocarbon stream

Title (de)

Verfahren und Vorrichtung zur Erzeugung eines verflüssigten Kohlenwasserstoffstroms

Title (fr)

Procédé et appareil de production d'un flux d'hydrocarbure liquéfié

Publication

EP 2466235 A1 20120620 (EN)

Application

EP 10196003 A 20101220

Priority

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Abstract (en)

A hydrocarbon stream of a composition comprising methane, ethane, and one or more hydrocarbon components heavier than ethane is provided (10). A side portion (70) of the hydrocarbon stream having the same composition as the hydrocarbon stream is selectively branched off, whereby a main portion of the hydrocarbon stream passes to a liquefaction system (15). The side portion is passed to an extraction unit (200) where an ethane-enriched stream is extracted from the side portion, which ethane-enriched stream contains a higher relative amount of ethane than the side portion. the ethane-enriched stream is passed to a storage tank where it forms an accumulated amount of the ethane-enriched stream which is stored for subsequent use as a refrigerant fluid (150) in the liquefaction system.

IPC 8 full level

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