

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 2796818 A1 20141029 (EN)**

Application

**EP 13164692 A 20130422**

Priority

EP 13164692 A 20130422

Abstract (en)

A first nitrogen stripper feed stream is fed into a nitrogen stripper column at a stripping pressure. A nitrogen-stripped liquid is drawn from a sump space of the nitrogen stripper column, depressurized to a flash pressure that is lower than the stripping pressure, and fed to an end flash separator. A liquefied hydrocarbon product stream is discharged from the end flash separator, as well as a process vapour. The process vapour is compressed to at least the stripping pressure, and, split in a stripping vapour stream and a fuel gas vapour stream. The stripping vapour stream is fed into the nitrogen stripper column, while the fuel gas vapour stream is passed to a gas turbine. Another fuel gas, having a lower heating value, is obtained from the overhead vapour from the nitrogen stripper column. This other fuel gas is combusted in a combustion device other than a gas turbine.

IPC 8 full level

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CPC (source: EP)

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