

Title (en)

Method for the gasification of a liquid hydrocarbon stream and an apparatus therefore

Title (de)

Verfahren zur Verdampfung flüssigen Erdgases und Vorrichtung hierzu

Title (fr)

Procédé de gazéification de gaz naturel liquéfié et appareil destiné à cet effet

Publication

**EP 2278210 A1 20110126 (EN)**

Application

**EP 10169479 A 20100714**

Priority

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Abstract (en)

The present invention provides a method of and apparatus for the gasification of a liquid hydrocarbon stream (15), to provide a gaseous hydrocarbon stream (45) and power, said method comprising at least the steps of: (i) heat exchanging, in one or more hydrocarbon stream heat exchangers (20, 30, 40), a liquid hydrocarbon stream (15) comprising one or more hydrocarbons, against two or more working fluids, in two or more working fluid circuits (100, 200, 300) to transfer cooling duty from said one or more hydrocarbons to said two or more working fluids, to provide a gaseous hydrocarbon stream (45) and two or more liquefied working fluid streams (115, 215, 315); (ii) heat exchanging the two or more liquefied working fluid streams (115, 215, 315) in one or more heat exchangers (20, 30, 40, 130, 140, 240, 340) to provide two or more vaporised working fluid streams (145, 245, 345); (iii) dynamically expanding the two or more vaporised working fluid streams (145, 245, 345) to provide power; and (iv) cooling at least one of the working fluids with at least a portion of the cooling duty transferred to at least another one of the two or more working fluids from the one or more hydrocarbons.

IPC 8 full level

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Citation (applicant)

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Citation (search report)

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