

Title (en)
Convenrsion of liquefied natural gas

Title (de)
Umwandlung von Flüssigerdgas

Title (fr)
Conversion de gaz naturel liquéfié

Publication
EP 2180231 A1 20100428 (EN)

Application
EP 08352024 A 20081024

Priority
EP 08352024 A 20081024

Abstract (en)
A method of and apparatus for converting liquefied natural gas (LNG) to a superheated fluid through vaporisation and superheating of the LNG employs a first main heat exchanger 10 in a series with a second main heat exchanger 12. The first main heat exchanger is heated by a condensing first heat exchange fluid (propane) flowing in a first heat exchange circuit 20 including a first supplementary heat exchanger 14 for revaporising the first heat exchange fluid and the second main heat exchanger 12 by a condensing second heat exchange fluid flowing in a second heat exchange circuit 22 including a second heat exchanger 16 for vaporising the second heat exchange fluid. The circuits 20 and 22 may share a common vessel for collecting condensate. The condensing pressure of the heat exchange fluid in the first circuit 20 is less than condensing pressure of the heat exchange fluid in the second circuit 22. The flow of the heat exchange fluids through the first main heat exchanger 10 and the second main heat exchanger 12 is controlled by valves 32 and 36.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
US 6945049 B2 20050920 - MADSEN PER HELGE [NO]

Citation (search report)
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• [Y] KOCH, HEISS, STÄNGL: "Übungsaufgaben + Musterlösungen", 1985, LEHRSTUHL A FÜR THERMODYNAMIK DER TUM, MÜNCHEN, XP002526658

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