

Title (en)
GASIFICATION DEVICE FOR LOW-TEMPERATURE LIQUEFIED GAS

Title (de)
VERGASER FÜR BEI NIEDRIGER TEMPERATUR VERFLÜSSIGTES GAS

Title (fr)
DISPOSITIF DE GAZÉIFICATION POUR LES GAZ LIQUÉFIÉS À BASSE TEMPÉRATURE

Publication
EP 2672213 A4 20150304 (EN)

Application
EP 11860385 A 20111219

Priority
• JP 2011052378 A 20110310
• JP 2011007075 W 20111219

Abstract (en)
[origin: EP2672213A1] Provided is a cryogenic liquid vaporizer which allows an inter-vaporizing tube distribution pipe to become less likely to undergo bending deformation due to a difference in temperature of the inter-vaporizing tube distribution pipe in a longitudinal direction thereof. The vaporizer is characterized in that it comprises: a vaporizing tube panel (16) including a plurality of vaporizing tubes (21) and an inter-vaporizing tube distribution pipe (22) for distributing a cryogenic liquid to the respective vaporizing tubes (21), wherein the plurality of vaporizing tubes (21) are arranged on a vertical plane and side-by-side in a horizontal direction, and the inter-vaporizing tube distribution pipe (22) is disposed to extend in the horizontal direction and connected to respective lower ends of the vaporizing tubes (21); a liquid supply section (30) for supplying a heat-exchanging liquid from an upper end of the vaporizing tube panel (16) to allow the heat-exchanging liquid to flow down along the plurality of vaporizing tubes (21); and a heat-transfer suppressing section (23) for, with respect to a heat transfer rate from the heat-exchanging liquid to a first region (A1) of the inter-vaporizing tube distribution pipe (22) where the plurality of vaporizing tubes (21) are arranged, suppressing a heat transfer rate from the heat-exchanging liquid to an overall second region (A2) of the inter-vaporizing tube distribution pipe (22) located outside the first region (A1).

IPC 8 full level
F28D 3/02 (2006.01); **F17C 9/02** (2006.01)

CPC (source: EP KR)
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Citation (search report)
• [A] EP 1092911 A2 20010418 - KOA GAS KAGOSHIMA CO LTD [JP]
• See references of WO 2012120580A1

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