

Title (en)

STRUCTURE FOR TANK DOME FLANGE SECTION

Title (de)

STRUKTUR FÜR EINEN TANKKUPPEL-FLANSCHABSCHNITT

Title (fr)

STRUCTURE POUR SECTION D'AILE DE DÔME DE RÉSERVOIR

Publication

EP 2682337 A4 20140813 (EN)

Application

EP 12752472 A 20120217

Priority

- JP 2011046664 A 20110303
- JP 2012001060 W 20120217

Abstract (en)

[origin: EP2682337A1] The present invention can suppress a temperature increase of a low-temperature liquefied gas stored in a tank main body portion. A tank dome flange portion structure (21) is provided at a liquefied gas tank and includes: a tank main body portion configured to store a low-temperature liquefied gas; a tank dome (3) provided at an upper portion of the tank main body portion; a flange portion (22) projecting substantially horizontally from the tank dome (3); a tank cover (6) configured to cover the tank main body portion with a space (5) therebetween; and an expansion rubber portion (11) provided between the flange portion (22) and an upper opening edge portion of the tank cover (6) and configured to seal the space (5). A heat transfer suppressing material portion made of fiber reinforced plastic is provided at at least a predetermined portion of the flange portion (22), the predetermined portion being located between a side wall (3a) of the tank dome (3) and the expansion rubber portion (11).

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2012117682A1

Cited by

EP4129814A4; JP2020199913A

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