

Title (en)

METAL MEMBRANE PANEL OF INSULATED LNG CARGO TANK

Title (de)

METALLMEMBRANPLATTE FÜR ISOLierten LNG-FRACHTBEHÄLTER

Title (fr)

PANNEAU EN TOLE POUR RESERVOIR GNL ISOLE

Publication

EP 1732828 A1 20061220 (EN)

Application

EP 04808205 A 20041123

Priority

- KR 2004003028 W 20041123
- KR 20040021526 A 20040330

Abstract (en)

[origin: WO2005095234A1] A metal membrane panel of an insulated LNG cargo tank, which has an improved stability by decreasing localized stress concentration areas, and which has an improved welding efficiency by reducing the number of corrugations on welding edges of adjacent metal membrane panel to reduce the number of curved portions to be welded. The metal membrane panel includes a plurality of rectangular unit corrugations (10) arranged on the panel (A) to be spaced from each other, each of the rectangular unit corrugations (10) being comprised of a pair of transverse bulging portions (12) and a pair of longitudinal bulging portions (11) and being shaped to have gently curved corners, transverse and longitudinal connecting corrugations (40, 50), which connect the plurality of rectangular unit corrugations (10) to each other, and transverse and longitudinal extending corrugations (60, 60'), which are extended to edges of the metal membrane panel (A) from the transverse and longitudinal bulging portions (12, 11) of the outermost unit corrugations (10).

IPC 8 full level

B65D 90/08 (2006.01); **B65D 90/02** (2006.01); **F17C 13/00** (2006.01)

CPC (source: EP KR)

B65D 90/027 (2013.01 - EP); **B65D 90/028** (2013.01 - EP); **B65D 90/08** (2013.01 - KR); **F17C 13/001** (2013.01 - EP); **F17C 2209/221** (2013.01 - EP); **F17C 2221/033** (2013.01 - EP); **F17C 2223/0161** (2013.01 - EP); **F17C 2223/033** (2013.01 - EP); **F17C 2270/0107** (2013.01 - EP)

Designated contracting state (EPC)

FR

DOCDB simple family (publication)

WO 2005095234 A1 20051013; EP 1732828 A1 20061220; EP 1732828 A4 20080326; EP 1732828 B1 20100210; JP 2007530892 A 20071101; JP 4564051 B2 20101020; KR 100707675 B1 20070413; KR 20050096357 A 20051006

DOCDB simple family (application)

KR 2004003028 W 20041123; EP 04808205 A 20041123; JP 2007506068 A 20041123; KR 20040021526 A 20040330