

Title (en)  
TANK INTERNAL PRESSURE SUPPRESSION DEVICE

Title (de)  
TANKINNENDRUCKABBAUVORRICHTUNG

Title (fr)  
DISPOSITIF DE SUPPRESSION DE LA PRESSION INTERNE D'UNE CUVE

Publication  
**EP 2921761 A4 20151216 (EN)**

Application  
**EP 14754698 A 20140220**

Priority  
• JP 2013032184 A 20130221  
• JP 2014054087 W 20140220

Abstract (en)  
[origin: EP2921761A1] In order to readily manufacture a device that utilizes boil-off gas generated in a tank, a tank internal pressure suppression device comprises: a gas combustion unit (31) that generates pressurized exhaust gas by using compressed air and combusting boil-off gas generated inside an LNG tank (1); a compressor (36) that generates compressed air by using driving power generated in a pressurized exhaust gas expansion process by an air-compression gas turbine (34), to compress air; and a load (37) that utilizes recovered driving power generated, using pressurized exhaust gas, by a power recovery gas turbine (35) different from the air-compression gas turbine (34). This kind of tank internal pressure suppression device is capable of having a simpler configuration than other tank internal pressure suppression devices (10) whereby the load (37) utilizes driving power generated by the air-compression gas turbine (34).

IPC 8 full level  
**F17C 13/00** (2006.01); **B63B 25/16** (2006.01)

CPC (source: EP KR)  
**B63B 25/16** (2013.01 - EP KR); **F02M 21/00** (2013.01 - KR); **F25J 1/0025** (2013.01 - EP); **F25J 1/004** (2013.01 - EP); **F25J 1/0045** (2013.01 - EP); **F25J 1/005** (2013.01 - EP); **F25J 1/0052** (2013.01 - EP); **F25J 1/0072** (2013.01 - EP); **F25J 1/0204** (2013.01 - EP); **F25J 1/023** (2013.01 - EP); **F25J 1/0245** (2013.01 - EP); **F25J 1/0265** (2013.01 - EP); **F25J 1/0277** (2013.01 - EP); **F25J 1/0283** (2013.01 - EP); **F25J 1/0288** (2013.01 - EP); **F02M 21/00** (2013.01 - EP); **F17C 2265/032** (2013.01 - EP KR); **F17C 2265/066** (2013.01 - EP KR); **F17C 2270/0105** (2013.01 - EP KR); **F25J 2220/62** (2013.01 - EP)

Citation (search report)  
• [X] US 2010139317 A1 20100610 - CHANTANT FRANCOIS [NL], et al  
• [I] US 2001018833 A1 20010906 - POZIVIL JOSEF [CH]  
• See references of WO 2014129562A1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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DOCDB simple family (publication)  
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