

Title (en)  
THERMAL INSULATION STRUCTURE FOR A LIQUID ENCLOSURE

Title (de)  
WÄRMEISOLATIONSSTRUKTUR FÜR FLÜSSIGKEITSGEHÄUSE

Title (fr)  
STRUCTURE D'ISOLATION THERMIQUE POUR ENCEINTE DE LIQUIDE

Publication  
**EP 3507433 A1 20190710 (EN)**

Application  
**EP 17845641 A 20170831**

Priority

- CN 201621029696 U 20160831
- IB 2017055248 W 20170831

Abstract (en)  
[origin: WO2018042369A1] A thermal insulation structure for liquid enclosures (4) is provided. The thermal insulation structure improves the liquid enclosure's thermal insulation thereby requiring less work by external components to maintain the temperature within the liquid enclosure (4). The thermal insulation structure includes a cover (10) and/or a plug (3). Both the cover (10) and the plug (3) each include a plurality of layers, which contribute to their insulating properties.

IPC 8 full level  
**E04H 4/10** (2006.01)

CPC (source: EP US)  
**E04H 4/10** (2013.01 - EP US); **E04H 4/103** (2013.01 - EP US)

Designated contracting state (EPC)  
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)  
BA ME

DOCDB simple family (publication)  
**WO 2018042369 A1 20180308**; CN 206016342 U 20170315; EP 3507433 A1 20190710; EP 3507433 A4 20200422;  
US 2019194964 A1 20190627

DOCDB simple family (application)  
**IB 2017055248 W 20170831**; CN 201621029696 U 20160831; EP 17845641 A 20170831; US 201716329598 A 20170831