

Title (en)  
MITIGATING LNG BOILOFF BY APPLICATION OF PELTIER COOLING

Title (de)  
ABSCHWÄCHUNG VON LNG-BOILOFF DURCH ANWENDUNG VON PELTIER-KÜHLUNG

Title (fr)  
ATTÉNUATION DE LA PERTE DE GNL PAR APPLICATION DE REFROIDISSEMENT À EFFET PELTIER

Publication  
**EP 3181986 A1 20170621 (EN)**

Application  
**EP 15200918 A 20151217**

Priority  
EP 15200918 A 20151217

Abstract (en)  
An apparatus includes a cryogenic tank disposed within an insulation tank such that an annulus is formed therebetween. The apparatus also includes a first heat transfer element configured to absorb heat from the cryogenic tank and a second heat transfer element configured to discharge heat into an ambient region proximate the insulation tank. The apparatus has legs between the first heat transfer element and the second heat transfer element, and an energy source configured to provide a heat flux through the legs.

IPC 8 full level  
**F17C 13/00** (2006.01)

CPC (source: EP)  
**F17C 13/001** (2013.01); **F25J 1/0025** (2013.01); **F25J 1/0225** (2013.01); **F25J 1/0261** (2013.01); **F17C 2201/054** (2013.01); **F17C 2203/0312** (2013.01); **F17C 2203/032** (2013.01); **F17C 2203/0329** (2013.01); **F17C 2203/0375** (2013.01); **F17C 2203/0379** (2013.01); **F17C 2203/0391** (2013.01); **F17C 2203/0619** (2013.01); **F17C 2203/0621** (2013.01); **F17C 2221/033** (2013.01); **F17C 2223/0161** (2013.01); **F17C 2223/033** (2013.01); **F17C 2225/0161** (2013.01); **F17C 2225/033** (2013.01); **F17C 2227/0337** (2013.01); **F17C 2227/0381** (2013.01); **F17C 2260/031** (2013.01); **F17C 2265/034** (2013.01); **F17C 2265/035** (2013.01); **F17C 2265/065** (2013.01); **F17C 2270/0105** (2013.01); **F17C 2270/0171** (2013.01); **F17C 2270/0178** (2013.01); **F25J 2270/908** (2013.01); **F25J 2290/34** (2013.01); **F25J 2290/62** (2013.01)

Citation (search report)

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