

Title (en)
PASSIVE REFRIGERATION SYSTEM FOR THE COLD CHAIN INDUSTRY

Title (de)
PASSIVES KÜHLSYSTEM FÜR DIE KÜHLKETTENINDUSTRIE

Title (fr)
SYSTÈME DE RÉFRIGÉRATION PASSIF POUR L'INDUSTRIE DE LA CHAÎNE DU FROID

Publication
EP 3610208 A4 20210113 (EN)

Application
EP 18784149 A 20180413

Priority
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Abstract (en)
[origin: WO2018187857A1] A passive refrigeration box for controlled refrigeration of a product is provided, the refrigeration box comprising: an outer box, the outer box including an outer insulation layer; an inner box, the inner box including an inner insulation layer, and a thermal shield on an outside of the inner insulation layer, the inner box and the outer box defining a vapour channel therebetween; and a thermal link, the thermal link including an thermal layer and a plurality of heat pipes or thermosyphons, the thermal layer and a top section of the inner box defining a coolant chamber, the coolant chamber including a coolant chamber access, the thermal layer and a bottom section of the inner box defining a load chamber, the load chamber including a load chamber access, each heat pipe or thermosyphon having a condenser section disposed in the coolant chamber and an evaporator section disposed in the load chamber and extending through the thermal layer.

IPC 8 full level
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