

Title (en)  
REFRIGERATION APPARATUS AND METHOD

Title (de)  
KÜHLVORRICHTUNG UND -VERFAHREN

Title (fr)  
APPAREIL ET PROCÉDÉ DE RÉFRIGÉRATION

Publication  
**EP 3707445 A1 20200916 (EN)**

Application  
**EP 18875536 A 20181109**

Priority  
• US 201762584125 P 20171110  
• US 201862708959 P 20180102  
• US 201862766143 P 20181003  
• US 2018060057 W 20181109

Abstract (en)  
[origin: WO2019094737A1] A heat exchange system includes a first reservoir having a first and second point and a first thermal material contained in the first reservoir. A first thermal contact is thermally coupled with the second point. Application of a force to the first thermal material can result in a temperature difference between the first and second points.

IPC 8 full level  
**F25B 21/00** (2006.01); **F25B 1/00** (2006.01); **F25B 7/00** (2006.01); **F25B 13/00** (2006.01); **F25B 29/00** (2006.01); **F25B 30/06** (2006.01); **F28D 1/06** (2006.01)

CPC (source: EP US)  
**F24H 7/04** (2013.01 - EP US); **F24V 50/00** (2018.04 - US); **F01K 3/12** (2013.01 - US); **F02C 1/04** (2013.01 - US); **F04D 25/045** (2013.01 - US); **F04D 29/5833** (2013.01 - US); **F25B 21/00** (2013.01 - EP US); **F25B 29/00** (2013.01 - EP US); **F25B 2321/002** (2013.01 - EP US); **F28D 2020/0065** (2013.01 - US); **Y02B 30/00** (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 2019094737 A1 20190516**; **WO 2019094737 A9 20190704**; CN 111316050 A 20200619; EP 3707445 A1 20200916; EP 3707445 A4 20210811; US 2019186786 A1 20190620

DOCDB simple family (application)  
**US 2018060057 W 20181109**; CN 201880072393 A 20181109; EP 18875536 A 20181109; US 201816185772 A 20181109