

Title (en)
THERMOELECTRIC COOLER FOR ECONOMIZED REFRIGERANT CYCLE PERFORMANCE BOOST

Title (de)
THERMOELEKTRISCHER KÜHLER ZUR LEISTUNGSVERSTÄRKUNG EINES KÄLTEMITTELKREISLAUFS MIT ECONOMISER

Title (fr)
REFROIDISSEUR THERMOÉLECTRIQUE POUR STIMULATION DE PERFORMANCE DU CYCLE DE RÉFRIGÉRANT ÉCONOMIQUE

Publication
EP 2156110 A1 20100224 (EN)

Application
EP 07784476 A 20070619

Priority
US 2007071537 W 20070619

Abstract (en)
[origin: WO2008156482A1] A refrigerant system incorporates an economizer circuit, and a thermoelectric cooler to provide a performance boost to the conventional economized refrigerant system. A thermoelectric cooler cools the refrigerant either directly in a main refrigerant circuit, or in an economized circuit, or both.

IPC 8 full level
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F25B 25/00 (2013.01 - EP US); **F25B 1/10** (2013.01 - EP US); **F25B 21/02** (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2400/23** (2013.01 - EP US)

Citation (search report)
See references of WO 2008156482A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008156482 A1 20081224; CN 101688706 A 20100331; CN 101688706 B 20130410; EP 2156110 A1 20100224; HK 1142387 A1 20101203; US 2010122540 A1 20100520

DOCDB simple family (application)
US 2007071537 W 20070619; CN 200780053448 A 20070619; EP 07784476 A 20070619; HK 10108761 A 20100915; US 59797507 A 20070619