

Title (en)
THERMOELECTRIC DEVICE BASED REFRIGERANT SUBCOOLING

Title (de)
AUF KÄLTEMITTELNACHKÜHLUNG BASIERENDE THERMOELEKTRISCHE VORRICHTUNG

Title (fr)
SOUS-REFROIDISSEMENT DE REFRIGERANT AU MOYEN D'UN DISPOSITIF THERMOELECTRIQUE

Publication
EP 1920200 A1 20080514 (EN)

Application
EP 05792651 A 20050829

Priority
US 2005030747 W 20050829

Abstract (en)
[origin: WO2007027171A1] A subcooler (15) for a vapor compression cycle having a refrigerant. The subcooler (15) including a conduit (45) and one or more thermoelectric modules (17). The conduit (45) being in fluid communication with the vapor compression cycle for flow of the refrigerant therethrough. Each of the one or more thermoelectric modules (17) has a cold side in thermal communication with an inner volume of the conduit (45) for subcooling the refrigerant.

IPC 8 full level
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CPC (source: EP US)
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