

Title (en)

Process and control system for a reversible heat pump including thermoelectric modules

Title (de)

Verfahren und Kontrollsystem einer Wärmepumpe mit thermoelektrischen Modulen

Title (fr)

Procédé et système de contrôle d'une pompe à chaleur réversible à modules thermoélectriques

Publication

EP 2336679 B1 20120704 (FR)

Application

EP 10192654 A 20101126

Priority

FR 0959196 A 20091218

Abstract (en)

[origin: EP2336679A1] The system has an electric supply unit (10) connected to an electric current source (8), where the supply unit comprises output connections (S1-S4) for delivering supply voltage to heat transfer thermoelectric units (41-44) e.g. Peltier effect cell. A control device (6) is connected to switches, where the control device controls different switching configurations of the switches for selectively powering the thermoelectric units and selecting supplying of predetermined voltage level to the thermoelectric units. Independent claims are also included for the following: (1) a thermoelectric reversible heat pump comprising an exchanger (2) a method for controlling a thermoelectric reversible heat pump.

IPC 8 full level

F25B 21/04 (2006.01)

CPC (source: EP)

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Cited by

GB2540344A; CN116007226A; US10539347B2; WO2022228925A1

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