

Title (en)  
HIGH EFFICIENCY HYBRID A/C SYSTEM

Title (de)  
HOCHLEISTUNGS- HYBRID-KLIMAAANLAGE

Title (fr)  
SYSTEME DE CONDITIONNEMENT D'AIR HYBRIDE A HAUT RENDEMENT

Publication  
**EP 1994340 A4 20121128 (EN)**

Application  
**EP 06737824 A 20060310**

Priority  
US 2006008685 W 20060310

Abstract (en)  
[origin: WO2007106080A2] A hybrid air conditioning system (45) having both a conventional air conditioning system (46) and thermoelectric modules (80, 85, 90, 95) to provide heating and cooling, the thermoelectric modules (80, 85, 90, 95) providing waste heat or waste cooling to offset the demand on the conventional air conditioning system (46) and thereby reducing energy consumption and enhancing efficiency of the overall system (45).

IPC 8 full level  
**F25D 13/00** (2006.01); **F24F 5/00** (2006.01); **F25B 21/04** (2006.01)

CPC (source: EP US)  
**F24F 5/0042** (2013.01 - EP US); **F25B 21/04** (2013.01 - EP US); **F25B 2321/021** (2013.01 - EP US); **F25B 2321/0251** (2013.01 - EP US)

Citation (search report)

- [X] US 3252504 A 19660524 - NEWTON ALWIN B
- [A] JP H1137493 A 19990212 - EIDAI CO LTD
- See references of WO 2007106080A2

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007106080 A2 20070920; WO 2007106080 A3 20090409**; CN 101636623 A 20100127; CN 101636623 B 20120118; EP 1994340 A2 20081126; EP 1994340 A4 20121128; HK 1138355 A1 20100820; US 2009094991 A1 20090416

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**US 2006008685 W 20060310**; CN 200680054494 A 20060310; EP 06737824 A 20060310; HK 10104305 A 20100430; US 22477506 A 20060310