

Title (en)  
Simultaneous cooling-heating multiple type air conditioner

Title (de)  
Mehrfunktionsklimaanlage zum Heizen und Kühlen

Title (fr)  
Climatiseur de type multiple à refroidissement/chauffage simultanés

Publication  
**EP 1921400 A2 20080514 (EN)**

Application  
**EP 07252278 A 20070606**

Priority  
KR 20060101754 A 20061019

Abstract (en)  
A simultaneous cooling-heating multiple type air conditioner includes a plurality of cooling-heating combined-use indoor units controlled in an operation domain divided into a plurality of operation zones based on a refrigerant suction pressure and a refrigerant discharge pressure of a compressor. The operation domain includes three operation zones. In the first operation zone, a cooling-initiative simultaneous cooling and heating operation mode is switched to a heating-initiative simultaneous cooling and heating operation mode. In the second operation zone, the cooling-initiative simultaneous cooling and heating operation mode or the heating-initiative simultaneous cooling and heating operation mode, does not switch to different modes. In the third operation zone, the heating-initiative simultaneous cooling and heating operation mode is switched to the cooling-initiative simultaneous cooling and heating operation mode.

IPC 8 full level  
**F25B 13/00** (2006.01)

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**F24F 11/00** (2013.01 - KR); **F25B 1/00** (2013.01 - KR); **F25B 13/00** (2013.01 - EP KR US); **F25B 49/00** (2013.01 - KR); **F25B 2313/007** (2013.01 - EP US); **F25B 2313/0231** (2013.01 - EP US); **F25B 2313/02741** (2013.01 - EP US)

Cited by  
EP2472200A4; EP2354728A3; EP3640562A4

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AL BA HR MK RS

DOCDB simple family (publication)  
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**EP 07252278 A 20070606**; AU 2006349942 A 20061106; CN 200610170068 A 20061215; KR 2006004615 W 20061106; KR 20060101754 A 20061019; US 72787007 A 20070328