

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Conditionneur d'air

Publication
EP 1559969 B1 20120118 (EN)

Application
EP 04018471 A 20040804

Priority
KR 20040005045 A 20040127

Abstract (en)
[origin: EP1559969A1] Air conditioner including an outdoor unit (10) installed in outdoor having a compressor (11), an outdoor heat exchanger (12), an indoor unit (30) installed in indoor having an indoor heat exchanger (31), a distributor (20) for guiding refrigerant from the outdoor unit to the indoor unit proper to an operation condition, and refrigerant passed through the indoor unit to the outdoor unit, again, and a subcooling device (100) for subcooling the refrigerant passed through a heat exchange process at the outdoor heat exchanger under an isobaric condition, and guiding the subcooled refrigerant to the distributor, thereby improving an air conditioning capability. <IMAGE>

IPC 8 full level
F25B 13/00 (2006.01); **F28F 1/40** (2006.01); **F24F 3/06** (2006.01); **F25B 40/00** (2006.01); **F25B 40/02** (2006.01); **F25B 41/00** (2006.01); **F25B 43/00** (2006.01); **F28D 7/10** (2006.01)

CPC (source: EP KR US)
F25B 13/00 (2013.01 - EP US); **F25B 40/02** (2013.01 - EP US); **F25B 41/00** (2013.01 - KR); **F25B 2313/007** (2013.01 - EP US); **F25B 2313/0231** (2013.01 - EP US); **F25B 2313/02331** (2013.01 - EP US); **F25B 2313/02334** (2013.01 - EP US); **F25B 2313/0253** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US)

Cited by
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