

Title (en)  
INTEGRAL AIR CONDITIONER

Title (de)  
INTEGRALE KLIMAAANLAGE

Title (fr)  
CONDITIONNEUR D'AIR MONOBLOC

Publication  
**EP 1645809 A4 20090114 (EN)**

Application  
**EP 03732190 A 20030527**

Priority  
CN 0300397 W 20030527

Abstract (en)  
[origin: US2007125111A1] The present invention relates to an integral air conditioner. The air conditioner includes at least a compressor ( 1 ), an indoor unit heat exchanger ( 2 ), an expansion apparatus ( 3 ), an outdoor heat exchanger ( 4 ) and a circular pipe ( 5 ). The air conditioner is embedded into a wall body integrally. The outlet ( 21 ) of the indoor heat exchanger ( 2 ) opens inward the room; the outlet ( 41 ) of the outdoor heat exchanger ( 4 ) opens outward the room. The air conditioner combines into a building, and needs not some connecting copper pipes, and avoids the coolant from leaking.

IPC 8 full level  
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**E06B 7/10** (2013.01 - EP US); **F24F 1/027** (2013.01 - EP US); **F24F 13/18** (2013.01 - EP US); **E06B 2007/023** (2013.01 - EP US); **E06B 2007/026** (2013.01 - EP US)

Citation (search report)

- [X] JP S53137549 A 19781201 - HOWA MACHINERY LTD
- [X] JP S61213529 A 19860922 - MATSUSHITA SEIKO KK
- [X] JP S6141833 A 19860228 - SHARP KK
- [X] JP S5938532 A 19840302 - MATSUSHITA SEIKO KK
- [X] GB 2381855 A 20030514 - KOOLTECH LTD [GB]
- [X] DE 1454612 A1 19700129 - LAING NIKOLAUS
- [X] FR 2657645 A1 19910802 - BLAIZE JACK [FR]
- [X] EP 0003811 A2 19790905 - FERRARI CLAUDIO [IT]
- See references of WO 2004106811A1

Cited by  
CN104863476A; CN104374006A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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