

Title (en)  
AIR CONDITIONING DEVICE

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 2410264 A4 20170531 (EN)**

Application  
**EP 10753312 A 20100319**

Priority  
• JP 2010001994 W 20100319  
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Abstract (en)  
[origin: EP2410264A1] To provide an air conditioning apparatus capable of performing control taking into account the heat quantity applied to a refrigerant drawn into a compression mechanism in superheating degree control of the refrigerant drawn thereinto, even when the refrigerant in the intake side of the compression mechanism is heated. An air conditioning apparatus (1) that performs a refrigeration cycle includes at least a compressor (21), an indoor heat exchanger (41), an indoor fan (42), an outdoor electric expansion valve (24), and an outdoor heat exchanger (23), and the air conditioning apparatus comprises a coil (68), an electromagnetic induction thermistor (14), and a control part (11). The coil (68) creates a magnetic field in order to induction-heat a magnetic tube (F2), with the objective of heating the refrigerant flowing through an accumulation tube (F). The electromagnetic induction thermistor (14) senses the temperature of the magnetic tube (F2) which generates heat by being induction-heated by the coil (68). The control part (11) performs control for increasing the opening degree of the electric expansion valve (24) in the case of a high rate of increase in the temperature sensed by the electromagnetic induction thermistor (14).

IPC 8 full level  
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CPC (source: EP KR US)  
**F24F 3/06** (2013.01 - KR); **F25B 13/00** (2013.01 - EP KR US); **F25B 2313/005** (2013.01 - EP KR US); **F25B 2313/008** (2013.01 - EP KR US); **F25B 2313/0312** (2013.01 - EP KR US); **F25B 2313/0314** (2013.01 - EP KR US); **F25B 2313/0315** (2013.01 - EP KR US); **F25B 2400/01** (2013.01 - EP US); **F25B 2500/26** (2013.01 - EP KR US); **F25B 2600/19** (2013.01 - EP KR US); **F25B 2600/21** (2013.01 - EP KR US); **F25B 2600/2513** (2013.01 - EP KR US)

Citation (search report)  
No further relevant documents disclosed

Designated contracting state (EPC)  
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