

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2343486 A4 20141105 (EN)

Application
EP 09841073 A 20090302

Priority
JP 2009053811 W 20090302

Abstract (en)
[origin: EP2343486A1] An air conditioner that can start in a short time after power recovery and can maintain an optimal refrigerating cycle in a short time is provided. An air conditioner 100 according to the present invention has a main refrigerant circuit in which a compressor 1, a heat-source-side heat exchanger 3, a high-pressure-side of a supercooling heat exchanger 4, a first throttle mechanism 5, and a use-side heat exchanger 6 are connected in series and a bypass circuit branching between the supercooling heat exchanger 4 and the first throttle mechanism 5 and connected to a suction side of the compressor 1 through the second throttle mechanism 8 and a low-pressure side of the supercooling heat exchanger 4, and a control portion 50 that compares the number of outages of this air conditioner 100 with a predetermined specified number of times determined in advance and determines necessity of initialization of the first throttle mechanism 5 and the second throttle mechanism 8 after power recovery.

IPC 8 full level
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F24F 11/83 (2017.12 - EP); **F24F 11/84** (2017.12 - EP US); **F25B 49/005** (2013.01 - EP); **F25B 49/02** (2013.01 - EP); **F25B 13/00** (2013.01 - EP); **F25B 2313/02741** (2013.01 - EP); **F25B 2313/0314** (2013.01 - EP); **F25B 2400/13** (2013.01 - EP); **F25B 2500/06** (2013.01 - EP); **F25B 2500/26** (2013.01 - EP); **F25B 2600/2509** (2013.01 - EP); **F25B 2600/2513** (2013.01 - EP); **F25B 2700/151** (2013.01 - EP)

Citation (search report)
• [XI] JP H05256526 A 19931005
• See references of WO 2010100707A1

Cited by
CN107339780A; CN104246378A; WO2013165535A1

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