

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2410262 A1 20120125 (EN)

Application
EP 10753301 A 20100318

Priority
• JP 2010001942 W 20100318
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Abstract (en)
To provide an air conditioning apparatus capable of quickly ensuring performance during startup and keeping post-startup overshooting to a minimum. An air conditioning apparatus (1) uses a refrigeration cycle which has a compressor (21) and a refrigerant tube (F) whose external periphery is composed of a magnetic tube (F2), the air conditioning apparatus (1) comprising a coil (68), a pressure sensor (29a), and a control part (11). The coil (68) generates a magnetic field for induction-heating the magnetic tube (F2). The pressure sensor (29a) detects refrigerant pressure in a high-pressure side of at least part of the refrigeration cycle. When the refrigeration cycle is performing an air-warming operation, the control part (11) initiates a state in which magnetic field generation by the coil (68) is at a maximum supplied electricity (Mmax) from the time the frequency of the compressor (21) is equal to or greater than a predetermined minimum frequency (Qmin), and the control part (11) performs this state until the pressure detected by the pressure sensor (29a) reaches a target high pressure (Ph). Onward from the time the target high pressure is reached, operation is performed under the restriction that a steady supplied electricity (M2) lower than the maximum supplied electricity (Mmax) is the upper output limit.

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F25B 2313/0315 (2013.01 - EP KR US); **F25B 2400/01** (2013.01 - EP US); **F25B 2500/26** (2013.01 - EP KR US)

Citation (search report)
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Cited by
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