

Title (en)
Outdoor unit of air conditioner

Title (de)
Außenraumeinheit für Klimaanlage

Title (fr)
Unité extérieure pour climatiseur

Publication
EP 2042820 A3 20120822 (EN)

Application
EP 08016780 A 20080924

Priority
• JP 2007247749 A 20070925
• JP 2007253564 A 20070928
• JP 2007253565 A 20070928

Abstract (en)
[origin: EP2042820A2] In an outdoor unit of an air conditioner including a housing, a partition plate for compartmenting the inside of the housing into a heat exchange chamber and a machine chamber, a heat exchanger and an air blower are mounted in the heat exchange chamber while a compressor, an electrical component box and an accumulator are mounted in the machine chamber, at least one reinforcing plate is provided to the partition plate and the accumulator is fixed to the partition plate through the reinforcing plate. A support plate is provided to support the electrical component unit at the machine chamber side, and one end portion thereof can be temporarily fixed to a tube plate of the heat exchanger while the support plate is mounted on the partition plate. The heat exchanger has fin tube heat exchanging portions laminated in a thickness direction and a step portion for allowing outdoor air to pass therethrough is formed at one end side.

IPC 8 full level
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CPC (source: EP KR)
F24F 1/10 (2013.01 - EP); **F24F 1/12** (2013.01 - EP); **F24F 1/22** (2013.01 - EP); **F24F 1/46** (2013.01 - EP); **F24F 5/00** (2013.01 - KR)

Citation (search report)
• [I] JP 2006226652 A 20060831 - MATSUSHITA ELECTRIC IND CO LTD
• [A] JP H09243115 A 19970916 - SANYO ELECTRIC CO
• [A] JP H0735376 A 19950207 - MATSUSHITA REFRIGERATION

Cited by
US11543138B2; EP2518415A3; US2015345513A1; CN105318451A; US9897108B2; EP3182023A1; US2017176028A1; EP2481994A1; EP3026354A1; EP2525158A3; US2020200404A1; EP3712517A4; US2011168791A1; EP2846102A3; AU2014202531B2; CN117685673A; US9964342B2; US2022299214A1; US12025325B2; EP3531041A4; EP3650768A4

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Designated extension state (EPC)
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DOCDB simple family (application)
EP 08016780 A 20080924; CN 201010159301 A 20080925; CN 201010159321 A 20080925; KR 20080093468 A 20080924