

Title (en)  
OUTDOOR UNIT FOR AIR CONDITIONER, AND AIR CONDITIONER

Title (de)  
AUSSENEINHEIT FÜR KLIMAANLAGE SOWIE KLIMAANLAGE

Title (fr)  
UNITÉ EXTÉRIEURE POUR CLIMATISEUR, ET CLIMATISEUR

Publication  
**EP 3521712 A4 20200101 (EN)**

Application  
**EP 17856120 A 20170926**

Priority  
• JP 2016187900 A 20160927  
• JP 2017034721 W 20170926

Abstract (en)  
[origin: EP3521712A1] An outdoor unit (1) includes a heat exchanger (5), a blower fan (6), an electronic board (9) on which a heat-generating element (10) is mounted, a housing (2), and a heatsink (8). The housing (2) includes a partition plate (23) partitioning the inside of the housing into a heat exchanger chamber (H) in which the heat exchanger (5) and the blower fan (6) are placed and a machine chamber (M) in which the electronic board (9) and a compressor (7) are placed, and a portion of the partition plate (23) has an opening (232a). The heatsink (8) includes a main plate (81) placed to cover the opening (232a) from the heat-exchanger-room-(H) side of the partition plate (23) and heat-releasing fins (82) projecting from the main plate (81) to the blower fan-(23) side, and a portion of the main plate (81) comes into contact with the heat-generating element (10) via the opening (232a). The greater the amounts of heat transferred from the heat-generating element (10) the heat-releasing fins (82), the larger the heat-releasing fins (82).

IPC 8 full level  
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**F24F 1/22** (2013.01 - US); **F24F 1/24** (2013.01 - EP US); **F24F 1/22** (2013.01 - EP); **F24F 2013/205** (2013.01 - EP US)

Citation (search report)  
• [X] WO 2014024405 A1 20140213 - TOSHIBA CARRIER CORP [JP]  
• [X] JP 2012233614 A 20121129 - SANYO ELECTRIC CO  
• [A] CN 204539700 U 20150805 - GUANDONG MIDEA HVAC EQUIPMENT, et al  
• [A] CN 204648517 U 20150916 - MITSUBISHI ELECTRIC CORP  
• [A] CN 105953318 A 20160921 - GREE ELECTRIC APPLIANCES INC ZHUHAI  
• [A] JP 2004271168 A 20040930 - SANYO ELECTRIC CO, et al  
• [A] US 2011214443 A1 20110908 - OKA TAKANORI [JP], et al  
• See references of WO 2018062170A1

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**EP 17856120 A 20170926**; CN 201780056441 A 20170926; JP 2017034721 W 20170926; JP 2018542592 A 20170926; JP 2020154212 A 20200915; US 201716325491 A 20170926