

Title (en)
AIR-CONDITIONER OUTDOOR UNIT

Title (de)
KLIMAANLAGEN-AUSSENEINHEIT

Title (fr)
UNITÉ EXTÉRIEURE DE CLIMATISEUR

Publication
EP 3054226 A1 20160810 (EN)

Application
EP 14847370 A 20140826

Priority
• JP 2013204187 A 20130930
• JP 2014072259 W 20140826

Abstract (en)
An air-conditioning outdoor unit (30) comprises a casing (40) of which the interior is divided into an air-blower chamber and a machinery chamber aligned laterally, a compressor (31) disposed in the machinery chamber, an outdoor heat exchanger (33) disposed in the air-blower chamber, an outdoor fan (39) disposed in the air-blower chamber, and a humidifying unit (60) having a tabular humidifying rotor (63). The outdoor fan (39) passes outdoor air through the outdoor heat exchanger (33). The humidifying rotor (63) includes a moisture-adsorption area (63a) for adsorbing moisture in the outdoor air and a moisture-releasing area (63b) for releasing the moisture adsorbed in the moisture-adsorption area (63a) when heat is applied. The humidifying rotor (63) is set up in front of the outdoor heat exchanger (33) along a vertical plane. The humidifying rotor (63) is disposed so that the moisture-adsorption area (63a) is positioned in the air-blower chamber and the moisture-releasing area (63b) is positioned in the machinery chamber. The entirety of a rotor-driving motor for rotatably driving the humidifying rotor (63) is disposed in the machinery chamber.

IPC 8 full level
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CPC (source: EP)
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