

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Dispositif de conditionnement d'air

Publication
EP 1039243 A2 20000927 (EN)

Application
EP 00104866 A 20000307

Priority
JP 8333599 A 19990326

Abstract (en)
When the air conditioner is discarded and incinerated, generation of harmful matter is prevented. Recycling of material and thermal recycling are easy, and environmental loads are decreased. Preventive effect of leak of dew condensation water is improved. Long-term aging of drain cap is decreased, and the preventive effect of leak of dew condensation water lasts for a longer period, and the long-term reliability of air conditioner is enhanced. When moving the air conditioner, it is easier to detach and attach the drain cap. It includes a heat exchanger for exchanging heat with air, a drain pan unit disposed in the lower direction of the heat exchanger, a first discharge port and a second discharge port disposed to communicate with the drain pan unit, a drain hose connected to the first discharge port, and a drain cap disposed in the second discharge port. The drain pan unit has a function of receiving the dew condensation water generated from the heat exchanger, and the drain cap is composed of a hydrogenated polymer of copolymer including styrene group and unsaturated hydrocarbon group. The hydrogenated polymer of copolymer including styrene group and unsaturated hydrocarbon group includes a hydrogenated polymer of styrene-butadiene block copolymer or a hydrogenated polymer of styrene-isoprene block copolymer. Preferably, the drain pan unit is made of high-impact styrene resin. <IMAGE>

IPC 1-7
F24F 1/00

IPC 8 full level
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CPC (source: EP US)
F24F 1/0057 (2019.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0083** (2019.01 - EP US); **F24F 13/222** (2013.01 - EP US)

Cited by
CN111998501A; CN103673081A; CN106052078A; WO2008084277A1

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EP 1039243 A2 20000927; **EP 1039243 A3 20010516**; **EP 1039243 B1 20040121**; DE 60007791 D1 20040226; DE 60007791 T2 20041104; ES 2211395 T3 20040716; JP 2000274723 A 20001006; JP 3606099 B2 20050105; MY 122650 A 20060429

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