

Title (en)

Noise reduction structure of outdoor unit of large-sized air conditioner

Title (de)

Geräuschdämpfende Einrichtung für die Ausseneinheit einer grossen Klimaanlage

Title (fr)

Structure de réduction des bruits pour l' unité extérieure d'un dispositif de conditionnement d'air de grandes dimensions

Publication

EP 1300635 B1 20090909 (EN)

Application

EP 02022121 A 20021002

Priority

KR 20010061460 A 20011005

Abstract (en)

[origin: EP1300635A2] Disclosed is a noise reduction structure of an outdoor unit of a large-sized air conditioner provided with a constant-speed converter and an inverter converter for compressing a refrigerant so as to circulate the refrigerant through a refrigerating cycle to variably change air-cooling capacity of the air conditioner. Particularly, an anti-noise barrier provided with protrusions surrounds the inverter compressor, thereby preventing noise generated from the inverter compressor from being transmitted to the outside.

IPC 8 full level

F04B 39/00 (2006.01); **F04B 49/06** (2006.01); **F24F 1/12** (2011.01); **F24F 5/00** (2006.01); **F24F 13/24** (2006.01); **F04C 29/06** (2006.01)

CPC (source: EP KR)

F24F 1/12 (2013.01 - EP); **F24F 1/52** (2013.01 - EP); **F24F 13/24** (2013.01 - EP KR); **F04C 29/06** (2013.01 - EP); **F24F 2013/242** (2013.01 - EP)

Cited by

US2015033785A1; CN113494771A; FR2879797A1; CN114877420A; FR2909164A1; US10254006B2; EP2472191A3; CN105698283A; US8950208B2; WO2013134843A1; US9683754B2; US10240811B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1300635 A2 20030409; **EP 1300635 A3 20061102**; **EP 1300635 B1 20090909**; CN 1211615 C 20050720; CN 1414317 A 20030430; DE 60233626 D1 20091022; JP 2003176935 A 20030627; JP 3723537 B2 20051207; KR 100420520 B1 20040302; KR 20030028993 A 20030411

DOCDB simple family (application)

EP 02022121 A 20021002; CN 02157511 A 20021005; DE 60233626 T 20021002; JP 2002292054 A 20021004; KR 20010061460 A 20011005