

Title (en)
AIR CONDITIONER OUTDOOR UNIT AND AIR CONDITIONER

Title (de)
KLIMAANLAGENAUSSENEINHEIT UND KLIMAANLAGE

Title (fr)
UNITÉ EXTÉRIEURE DE CLIMATISEUR ET CLIMATISEUR

Publication
EP 3967947 A4 20220817 (EN)

Application
EP 20884108 A 20200319

Priority
• CN 201911088707 A 20191108
• CN 2020080139 W 20200319

Abstract (en)
[origin: EP3967947A1] Disclosed are an air conditioner outdoor unit (1) and an air conditioner, the air conditioner outdoor unit (1) comprising a compressor (2); a pipeline, wherein a refrigerant is drawn in or discharged from the compressor (2) by means of the pipeline; and further comprising a balance weight assembly (10). The balance weight assembly is provided with a balance weight block (11) and a first fixing part (13), wherein an elastic accommodating part (12) is formed on the balance weight block (11), and the pipeline passes through the elastic accommodating part (12) and is embedded into the elastic accommodating part (12); the first fixing part (13) is connected to the elastic accommodating part (12) and surrounds part of an outer wall of the pipeline so as to form a first contact point (21) and a second contact point (22) on the outer wall of the pipeline, and there is a height difference between the first contact point (21) and the second contact point (22) so as to form self-locking between the balance weight assembly (10) and the pipeline. By means of the balance weight assembly (10), even if the balance weight block is installed on a vertical pipe section, due to the fact that there is the height difference between the first contact point (21) and the second contact point (22), self-locking between the balance weight assembly (10) and the pipeline can be formed under the gravity of the balance weight block (11), and the balance weight block (11) cannot move downwards in a long-time use process, ensuring that the pipeline and an operation frequency of the compressor (2) cannot generate resonance, thereby improving the stability of the air conditioner.

IPC 8 full level
F24F 13/24 (2006.01)

CPC (source: CN EP)
F24F 1/12 (2013.01 - CN EP); **F24F 1/46** (2013.01 - CN EP); **F24F 1/26** (2013.01 - EP)

Citation (search report)
• [A] KR 20190083591 A 20190712 - LG ELECTRONICS INC [KR]
• [A] CN 105571103 B 20180821
• [A] EP 2589833 A2 20130508 - SAMSUNG ELECTRONICS CO LTD [KR]
• [A] KR 100714292 B1 20070502
• [A] CN 204553684 U 20150812 - TCL AIR CONDITIONER ZHONGSHAN
• See references of WO 2021088295A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 3967947 A1 20220316; **EP 3967947 A4 20220817**; CN 112781117 A 20210511; CN 112781117 B 20220422; WO 2021088295 A1 20210514

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