

Title (en)

HEAT SOURCE UNIT AND AIR CONDITIONER HAVING THE HEAT SOURCE UNIT

Title (de)

WÄRMEQUELLENEINHEIT UND KLIMAANLAGE MIT DER WÄRMEQUELLENEINHEIT

Title (fr)

UNITÉ DE SOURCE DE CHALEUR ET CLIMATISEUR COMPORTANT L'UNITÉ DE SOURCE DE CHALEUR

Publication

EP 3361173 B1 20220420 (EN)

Application

EP 17155595 A 20170210

Priority

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Abstract (en)

[origin: EP3361173A1] Heat source unit (2) for an air conditioner (1) comprising a refrigerant circuit, the heat source unit comprising an external housing (10) accommodating a compressor (3) to be connected to the refrigerant circuit; a heat source heat exchanger (5) to be connected to the refrigerant circuit and configured to exchange heat between a refrigerant circulating in the refrigerant circuit and a heat source (104); an electric box (30) having a top (31) and side walls (32 to 34), the electric box accommodating electrical components (36) to configured to control the air conditioner and having an air passage (37) comprising an air inlet (38) and an air outlet (39), an air flow (41) being induced through the air passage from the air inlet to the air outlet for cooling at least some of the electrical components, wherein a cooling heat exchanger (22) is accommodated in the external housing and to be connected to the refrigerant circuit, wherein the cooling heat exchanger (22) is arranged so as to be flown through by the air flow (41) and exchange heat between the refrigerant and the air flow (41), wherein the electric box (30) and the cooling heat exchanger (22) are independently supported in the external housing.

IPC 8 full level

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Cited by

CN112963959A; CN112367804A; EP4269886A4; CN117120779A; WO2023029549A1

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