

Title (en)
COMPRESSOR UNIT FOR AN AIR CONDITIONER AND HEAT SOURCE UNIT FOR AN AIR CONDITIONER COMPRISING THE COMPRESSOR UNIT AND A HEAT SOURCE UNIT

Title (de)
VERDICHTEREINHEIT FÜR EINE KLIMAAANLAGE UND WÄRMEQUEELLEINHEIT FÜR EINE KLIMAAANLAGE MIT DER VERDICHTEREINHEIT UND EINER WÄRMEQUEELLEINHEIT

Title (fr)
UNITÉ DE COMPRESSEUR POUR CLIMATISEUR ET UNITÉ DE SOURCE DE CHALEUR POUR UN CLIMATISEUR COMPRENANT L'UNITÉ DE COMPRESSEUR ET UNE UNITÉ DE SOURCE DE CHALEUR

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Application
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Abstract (en)
The present invention suggests a compressor unit for an air conditioner comprising a compressor (37) disposed in a first casing (44), and first and second heat source heat exchanger unit ports (42, 43) configured to connect the compressor unit to a heat source heat exchanger (5) of a heat source heat exchanger unit (31) of the air conditioner, the heat source heat exchanger being disposed in a second casing (2) separate from the first casing and being configured to exchange heat with a heat source, first and second indoor unit ports (46, 47) configured to connect the compressor unit to an indoor heat exchanger (53) of at least one indoor unit (50) of the air conditioner, a first refrigerant piping (49) fluidly connecting the first heat source heat exchanger unit port (43) and the first indoor unit port (46), and a sub-cooling heat exchanger (40) disposed inside the first casing and fluidly connected to the first refrigerant piping for heat transfer with the refrigerant to be flown through the first refrigerant piping.

IPC 8 full level
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Citation (applicant)
EP 2108897 A1 20091014 - HITACHI APPLIANCES INC [JP]

Citation (search report)
• [A] WO 2011128755 A2 20111020 - SCHUFFENECKER THIERRY [FR]
• [A] GB 828979 A 19600224 - PELLIZZETTI ITALO
• [AD] EP 2108897 A1 20091014 - HITACHI APPLIANCES INC [JP]

Cited by
GB2618558A; EP3663673A1; EP4027073A4; EP4027074A4; US2022268499A1; AU2019464673B2

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