

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2924371 B1 20210908 (EN)

Application
EP 15160070 A 20150320

Priority
KR 20140032959 A 20140320

Abstract (en)
[origin: EP2924371A1] The present invention relates to an air conditioner for injecting a refrigerant into a compressor in a simple configuration by two steps. The air conditioner includes a compressor for compressing a refrigerant; a condenser for condensing the refrigerant compressed at the compressor; an evaporator for evaporating the refrigerant condensed at the condenser; and an injection module for separating the refrigerant flown from the condenser to the evaporator into a vapor-phase refrigerant and liquid-phase refrigerant, expanding the separated vapor-phase refrigerant and injecting the expanded refrigerant into the compressor, expanding and evaporating some of the separated liquid-phase refrigerant and injecting the expanded and evaporated refrigerant into the compressor according to the embodiment of the present invention.

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Cited by
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