

Title (en)
REGENERATIVE AIR CONDITIONER

Title (de)
REGENERATIVE KLIMAANLAGE

Title (fr)
CLIMATISEUR À RÉGÉNÉRATION

Publication
EP 3242096 B1 20210804 (EN)

Application
EP 15872255 A 20151222

Priority
• JP 2014265605 A 20141226
• JP 2015006398 W 20151222

Abstract (en)
[origin: EP3242096A1] A refrigerant circuit (11) includes a primary thermal storage channel (44) to which a thermal storage section (60) is connected, and an intermediate suction portion (35) through which the refrigerant having an intermediate pressure between high and low pressures in the refrigerant circuit (11) is taken into a compressor section (22, 80). The refrigerant circuit (11) performs a first utilization heating operation in which part of the refrigerant which has been condensed in an indoor heat exchanger (72) is diverged into the primary thermal storage channel (44), is evaporated in the thermal storage section (60), and is then taken into the intermediate suction portion (35) of the compressor section (22, 80), and simultaneously, the rest of the refrigerant which has been condensed in the indoor heat exchanger (72) is evaporated in an outdoor heat exchanger (23), and is then taken into a low-pressure suction portion (28, 84) of the compressor section (22, 80).

IPC 8 full level
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CPC (source: EP)
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Cited by
EP3995760A1; EP3587957A1; EP3995758A1

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