

Title (en)  
REGENERATIVE AIR CONDITIONER

Title (de)  
REGENERATIVE KLIMAANLAGE

Title (fr)  
CLIMATISEUR À RÉGÉNÉRATION

Publication  
**EP 3249320 A4 20181017 (EN)**

Application  
**EP 15872261 A 20151222**

Priority  
• JP 2014266167 A 20141226  
• JP 2015006407 W 20151222

Abstract (en)  
[origin: EP3249320A1] A refrigerant circuit (11) performs a cooling and cold thermal energy storage cycle in which a discharge end of a compressor (21) is connected to a gas end of an outdoor heat exchanger (22), a suction end of the compressor (21) is connected to a gas refrigerant channel (13), the outdoor heat exchanger (22) serves as a condenser, and an indoor heat exchanger (27) and a thermal storage heat exchanger (43) serve as evaporators. A pressure regulating mechanism (44) is configured to regulate the pressure of a refrigerant flowing between the thermal storage heat exchanger (43) and the gas refrigerant channel (13).

IPC 8 full level  
**F25B 13/00** (2006.01); **F24F 5/00** (2006.01); **F25B 5/00** (2006.01); **F25B 5/02** (2006.01); **F25B 25/00** (2006.01); **F25B 41/04** (2006.01); **F25B 49/02** (2006.01)

CPC (source: EP US)  
**F24F 5/00** (2013.01 - EP US); **F24F 11/89** (2017.12 - EP US); **F25B 5/02** (2013.01 - EP); **F25B 25/005** (2013.01 - EP); **F25B 41/22** (2021.01 - EP US); **F25B 49/02** (2013.01 - EP); **F25B 13/00** (2013.01 - EP); **F25B 2313/003** (2013.01 - EP); **F25B 2313/0232** (2013.01 - EP); **F25B 2400/13** (2013.01 - EP); **F25B 2400/24** (2013.01 - EP)

Citation (search report)  
• [Y] WO 2010099454 A2 20100902 - ELECTROLUX HOME PROD INC [US], et al  
• [Y] EP 2278239 A2 20110126 - WHIRLPOOL CO [US]  
• [A] WO 2007084138 A1 20070726 - CARRIER CORP [US], et al  
• [A] US 2014208789 A1 20140731 - LOMBARDO PAUL S [US], et al  
• See references of WO 2016103690A1

Cited by  
CN110360687A; EP3786547A1

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

DOCDB simple family (publication)  
**EP 3249320 A1 20171129; EP 3249320 A4 20181017; EP 3249320 B1 20200930**; ES 2833435 T3 20210615; JP 2016125736 A 20160711; JP 6020550 B2 20161102; WO 2016103690 A1 20160630

DOCDB simple family (application)  
**EP 15872261 A 20151222**; ES 15872261 T 20151222; JP 2014266167 A 20141226; JP 2015006407 W 20151222