

Title (en)
HUMIDITY CONTROL DEVICE

Title (de)
VORRICHTUNG ZUR FEUCHTIGKEITSREGELUNG

Title (fr)
DISPOSITIF DE RÉGULATION D'HUMIDITÉ

Publication
EP 2767772 A1 20140820 (EN)

Application
EP 12836318 A 20120920

Priority
• JP 2011214912 A 20110929
• JP 2012005988 W 20120920

Abstract (en)
A refrigerant circuit (50) of a humidity control apparatus (10) is provided with two adsorption heat exchangers (51, 52). In the refrigerant circuit (50), refrigerant can circulate in reverse directions. A switching mechanism (40) of the humidity control apparatus (10) switches between a transfer path of the outdoor air to be supplied into a room and a transfer path of the indoor air to be exhausted to the outside the room. In a first operation of the humidity control apparatus (10), a direction of refrigerant circulation and a flow path of the air are changed every predetermined period. In a second operation of the humidity control apparatus (10), the refrigerant circuit (50) is stopped, and the flow path of the air is changed every predetermined period. In the second operation, although the refrigerant circuit (50) is stopped, the outdoor air whose temperature and humidity are controlled is supplied into the room to ensure comfort of the room.

IPC 8 full level
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CPC (source: EP US)
F24F 3/1429 (2013.01 - EP US); **F24F 11/0008** (2013.01 - EP US); **F24F 11/84** (2017.12 - EP US); **F24F 11/86** (2017.12 - EP US);
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