

Title (en)  
HUMIDITY ADJUSTING DEVICE

Title (de)  
FEUCHTIGKEITSEINSTELLVORRICHTUNG

Title (fr)  
DISPOSITIF D'AJUSTEMENT D'HUMIDITÉ

Publication  
**EP 2169324 A1 20100331 (EN)**

Application  
**EP 08763998 A 20080603**

Priority  
• JP 2008001401 W 20080603  
• JP 2007155207 A 20070612  
• JP 2007283956 A 20071031

Abstract (en)  
In the casing (11) of a humidity controller (10), a first bypass passage (81) is provided along one of side plates facing each other, and a second bypass passage (82) is provided along the other side plate. In the casing (11), a first heat exchanger chamber (37) and a second heat exchanger chamber (38) are arranged next to each other in the left-to-right direction in a space between the two bypass passages (81, 82). A first adsorption heat exchanger (51) is accommodated in the first heat exchanger chamber (37), and a second adsorption heat exchanger (52) is accommodated in the second heat exchanger chamber (38). Adsorbents are carried on the adsorption heat exchangers (51, 52). During the operation in which humidity of the air is not controlled, a first bypass damper (83) and a second bypass damper (84) are opened, and the air flows through the bypass passages (81, 82) to be drawn into a supply fan (26) or a exhaust fan (25). Thus, accumulation of odor substances in the adsorption heat exchangers (51, 52) during the operation in which humidity of the air is not controlled, can be reduced.

IPC 8 full level  
**F24F 3/147** (2006.01); **F24F 3/16** (2006.01)

CPC (source: EP KR US)  
**F24F 3/1411** (2013.01 - EP US); **F24F 3/1429** (2013.01 - EP KR US); **F24F 3/147** (2013.01 - EP KR US); **F24F 7/08** (2013.01 - KR); **F24F 11/0008** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2008152777A1

Cited by  
CN105928846A; EP3032184A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2169324 A1 20100331**; AU 2008263367 A1 20081218; AU 2008263367 B2 20110707; CN 101688676 A 20100331; CN 101688676 B 20120104; JP 2009019863 A 20090129; JP 4311489 B2 20090812; KR 101143099 B1 20120508; KR 20090130263 A 20091221; US 2010170280 A1 20100708; WO 2008152777 A1 20081218

DOCDB simple family (application)  
**EP 08763998 A 20080603**; AU 2008263367 A 20080603; CN 200880019969 A 20080603; JP 2007283956 A 20071031; JP 2008001401 W 20080603; KR 20097025086 A 20080603; US 66426108 A 20080603