

Title (en)
MOISTURE CONDITIONING DEVICE

Title (de)
FEUCHTIGKEITSKONDITIONIERVORRICHTUNG

Title (fr)
DISPOSITIF DE CONDITIONNEMENT D'HUMIDITÉ

Publication
EP 1898162 B1 20160309 (EN)

Application
EP 06756743 A 20060530

Priority
• JP 2006310747 W 20060530
• JP 2005157623 A 20050530

Abstract (en)
[origin: EP1898162A1] A humidity control system (10) includes a refrigerant circuit (50) including a compressor (53), a first adsorption heat exchanger (51) carrying an adsorbent thereon, an expansion valve (55) adjustable in opening and a second adsorption heat exchanger (52) carrying an adsorbent thereon, supplies humidity-controlled air to a room by operating alternately in a first batch mode in which the second adsorption heat exchanger (52) adsorbs moisture in air and the first adsorption heat exchanger (51) releases moisture to air and a second batch mode in which the first adsorption heat exchanger (51) adsorbs moisture in air and the second adsorption heat exchanger (52) releases moisture to air, controls the opening of the expansion valve (55), sets, upon start of the first batch mode, the opening of the expansion valve (55) to that at the end of the preceding first batch mode and sets, upon start of the second batch mode, the opening of the expansion valve (55) to that at the end of the preceding second batch mode.

IPC 8 full level
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