

ABSTRACT

HUMIDITY CONTROLLER APPARATUS

A humidity controller apparatus comprises: a first heat exchange chamber (69) for accommodating a first heat exchanger (3), an adsorbent material being supported on a surface of said first heat exchanger (3); and a second heat exchange chamber (73), formed
5 adjacently to said first heat exchange chamber (69), for accommodating a second heat exchanger (5), an adsorbent material being supported on a surface of said second heat exchanger (5). A first air inflow passage (63) and a first air outflow passage (65) are formed along one end surface in a thickness direction in which respective one surfaces of said two heat exchange chambers (69, 73) continue and which are arranged in a
10 superimposed manner in the thickness direction of both said heat exchange chambers (69, 73). A second air inflow passage (57) and a second air outflow passage (59) are formed along another end surface which is an end surface where respective one surfaces of said two heat exchange chambers (69, 73) continue and which is situated face to face with said one end surface, and which are arranged in a superimposed manner in the thickness
15 direction of both said heat exchange chambers (69, 73). Opening/closing means (35, ..., 47, ...) are provided for opening and closing openings (31a, ..., 33a, ...) for communication between said first heat exchange chamber (69) and said second heat exchange chamber (73), and each said inflow passage (57, 63) and each said outflow passage (59, 65).