CLAIMS

1 An air composition adjusting device for adjusting composition of air in a target space (5), comprising:

a first carbon dioxide separator (41) that separates carbon dioxide from air-to-be-treated that is external air outside the target space (5) to generate high carbon dioxide concentration gas having a higher carbon dioxide concentration than the air-to-be-treated;

a second carbon dioxide separator (61) that separates carbon dioxide from air-to-be-treated that is internal air inside the target space (5) to generate high carbon dioxide concentration gas having a higher carbon dioxide concentration than the air-to-be-treated;

a gas supply path (135) including a high concentration gas supply path (136) through which the first and second carbon dioxide separators (41, 61) communicate~~s~~ with the target space (5); and

a controller (110) that performs a carbon dioxide concentration raising operation of supplying both of the high carbon dioxide concentration gas generated in the first carbon dioxide separator (41) and the high carbon dioxide concentration gas generated in the second carbon dioxide separator (61), to the target space (5) through the high concentration gas supply path (136).

2. The air composition adjusting device according to Claim 1,

wherein the carbon dioxide separator (41, 61) includes a separation membrane (85) that separates carbon dioxide from the air-to-be-treated.