

[illegible]

Fig 2b

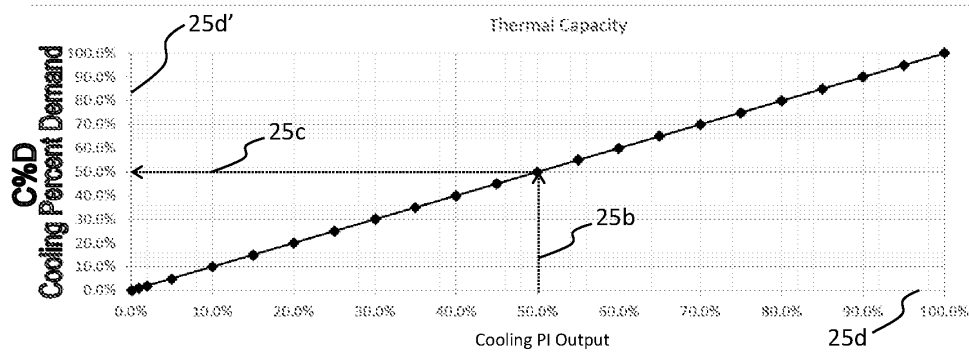


Fig 3a

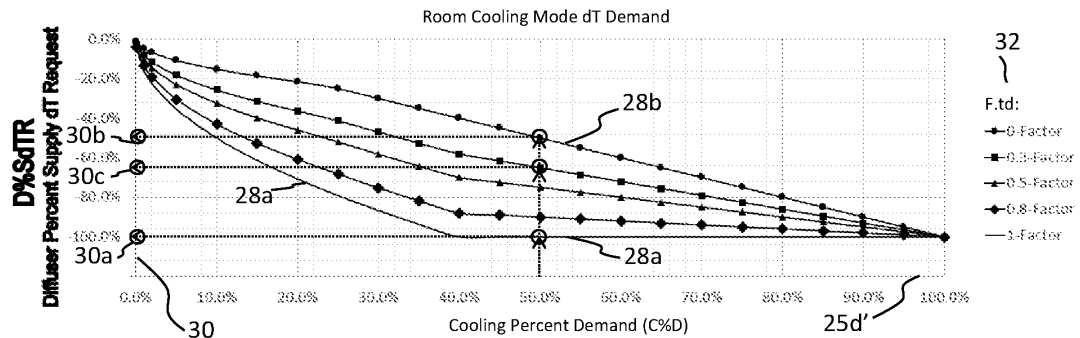


Fig 3b

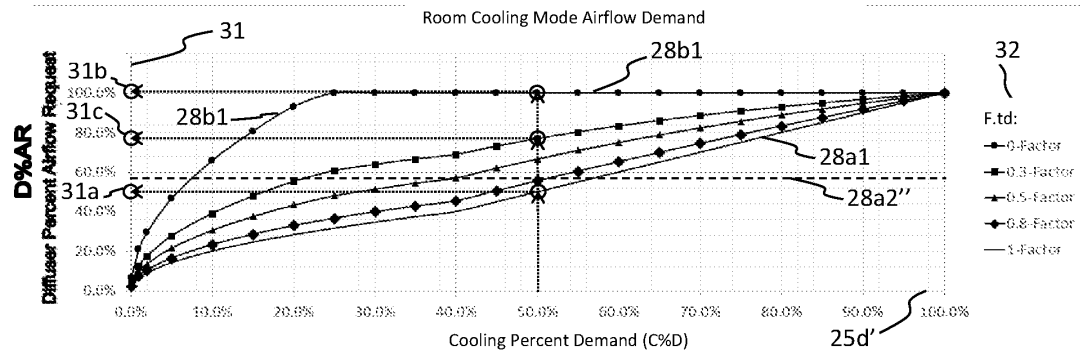


Fig 3c

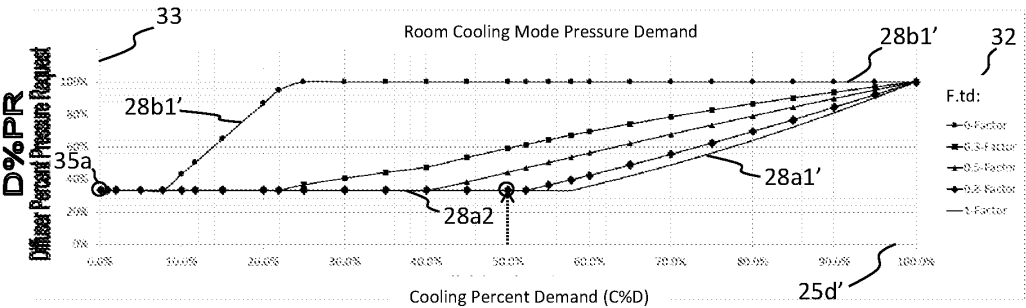


Fig 3d

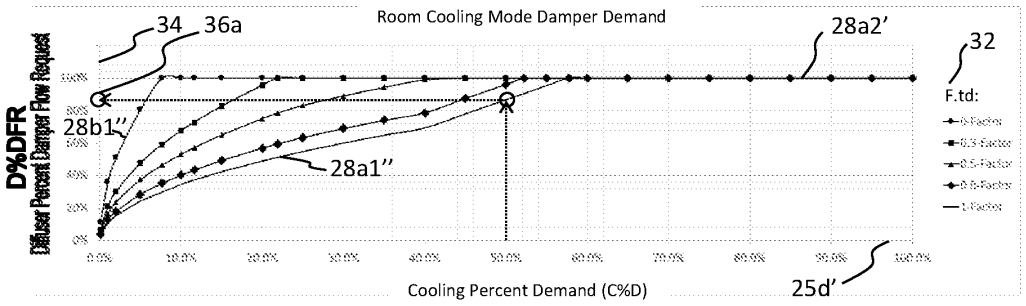


Fig 3e

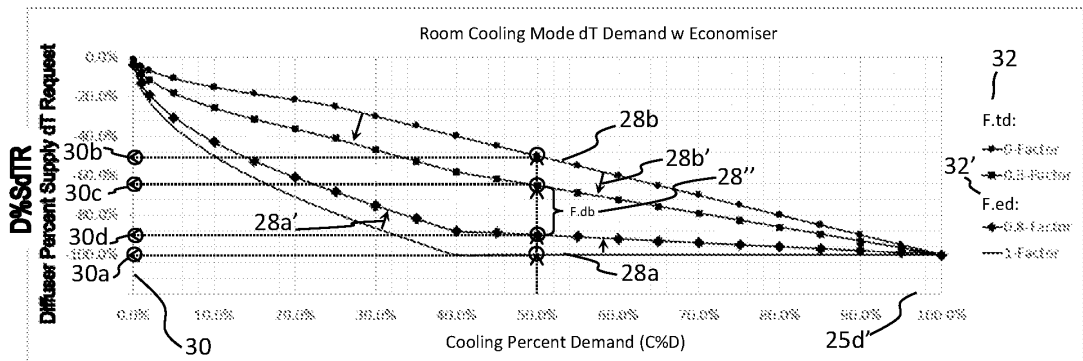


Fig 3f

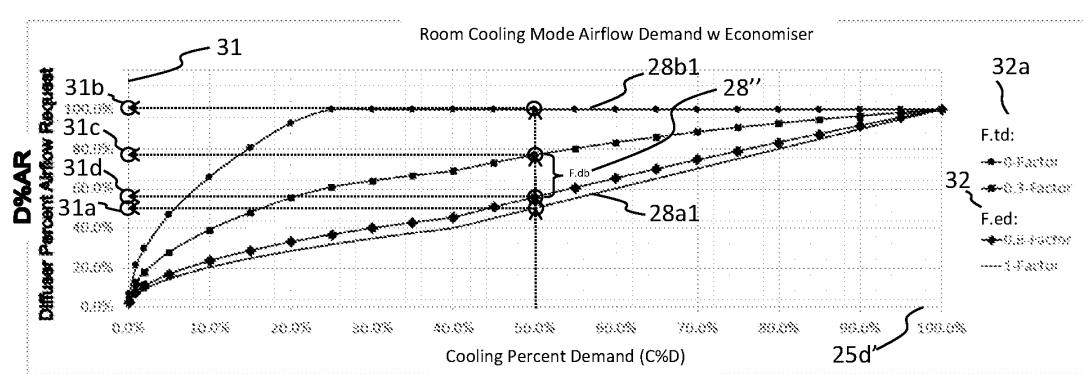


Fig4a

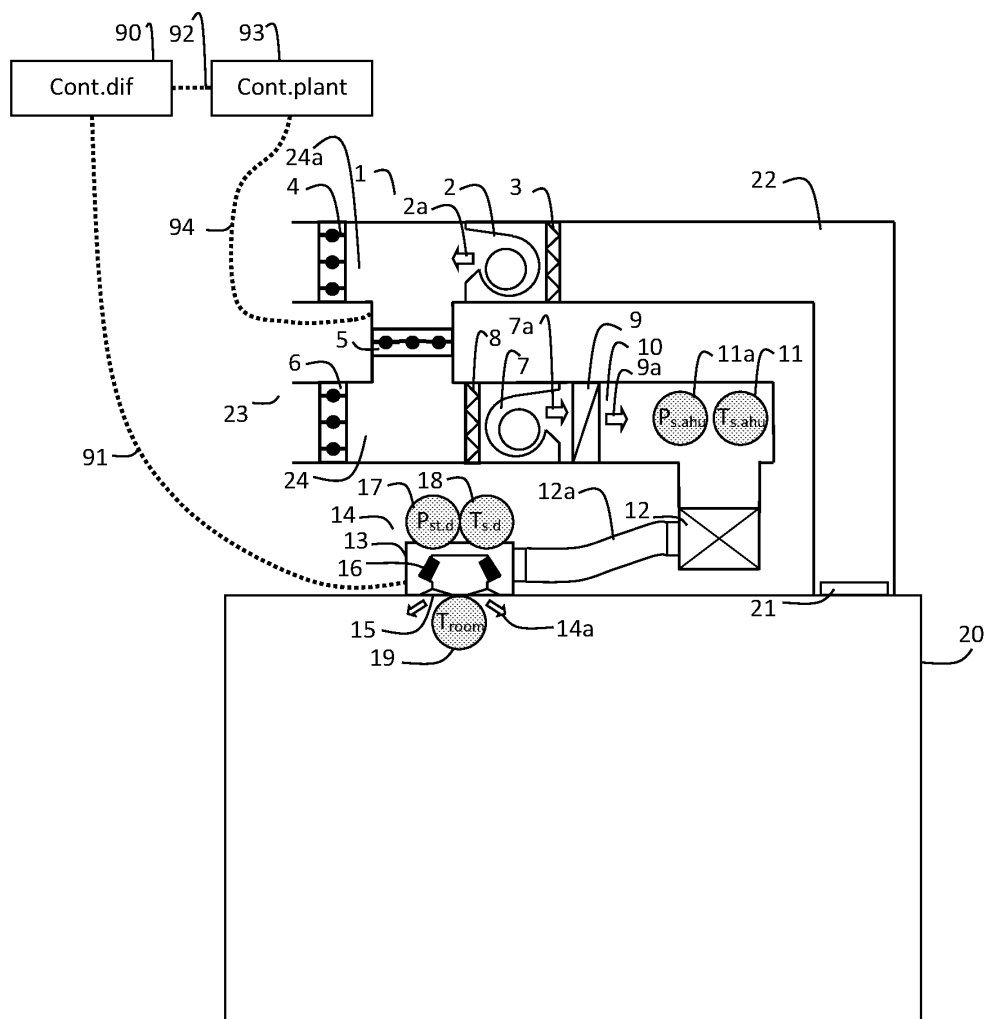


Fig 4b

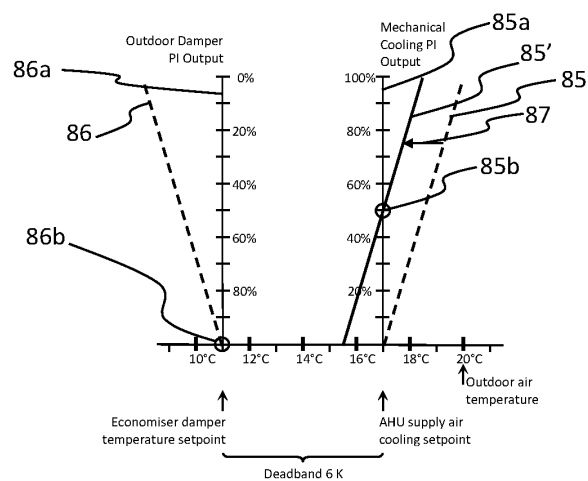


Fig 5a

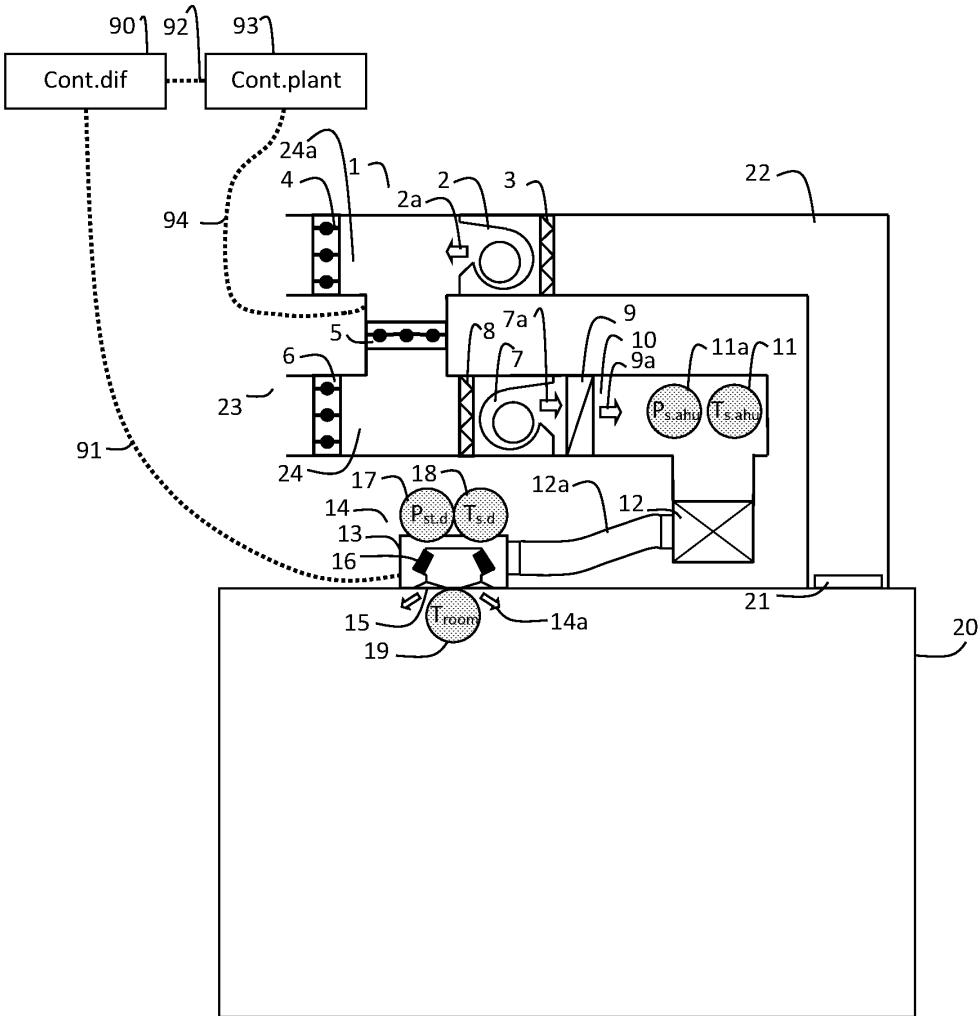
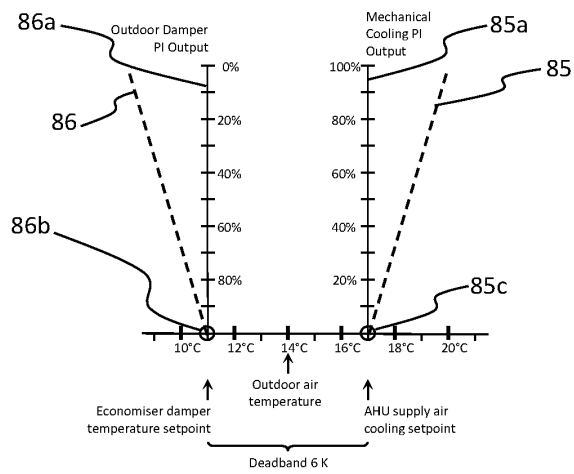


Fig 5b



[illegible]

The graph illustrates the deadband compensation for two control loops. The x-axis represents temperature in °C, ranging from 10°C to 20°C. The y-axis represents the output percentage from 0% to 100%.

Left Loop (Outdoor Damper PI Output):

- The output is 0% for temperatures below 10°C.
- At 10°C, the output begins to rise linearly.
- The output reaches 100% at approximately 12.5°C.
- For temperatures above 12.5°C, the output remains at 100%.

Right Loop (Mechanical Cooling PI Output):

- The output is 100% for temperatures below 16°C.
- At 16°C, the output begins to drop linearly.
- The output reaches 0% at approximately 18.5°C.
- For temperatures above 18.5°C, the output remains at 0%.

The deadband for both loops is 6 K, indicated by the horizontal segments at the top and bottom of the graphs.

[illegible]

Fig8a

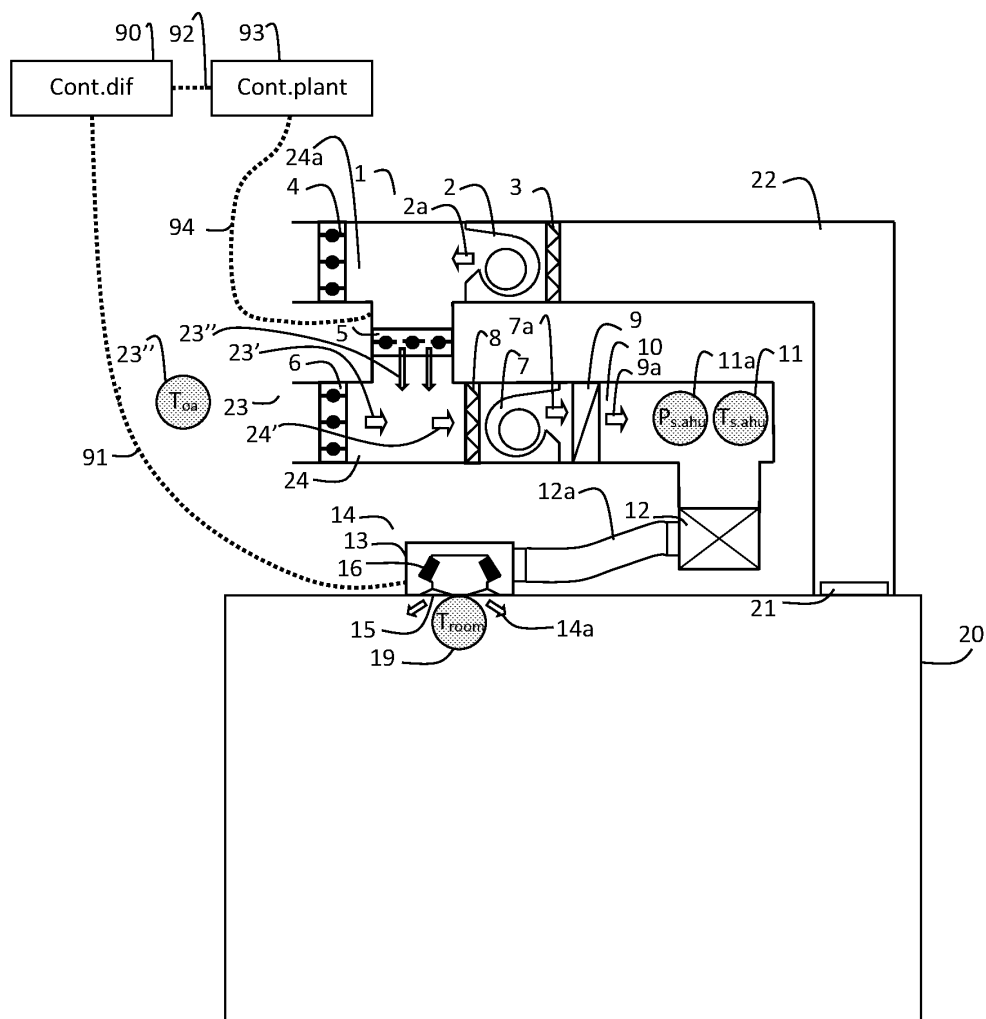


Fig 8b

