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(54) Title: GAS HUMIDITY REGULATING METHOD AND REGULATOR

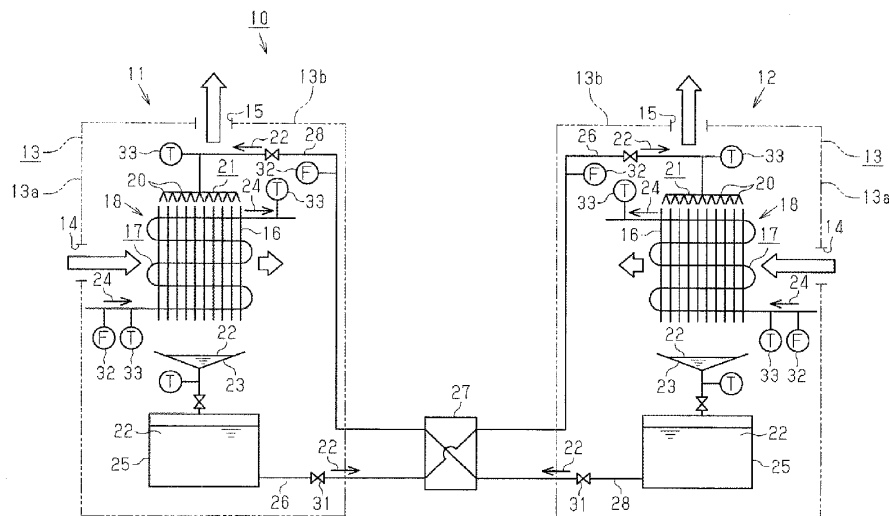


Figure 1

(57) Abstract: To provide a gas humidity regulating method and a regulator that can regulate a temperature during humidity control and improve humidity-control efficiency. In an air humidity regulating method for gas subjected to treatment, a first medium (22) is caused to flow onto a heat exchanging pipe (17) of a gas-liquid contact part (18) in a dehumidifier (11); meanwhile, a second medium (24) is passed through the heat exchanging pipe (17). In this state, air is fed into a gas-liquid contact case (13) from an inlet port (14) and gas-liquid contact is made by the first medium (22) on the gas-liquid contact part (18) so as to absorb water content from the air into the first medium (22). The first medium (22) contains an ionic liquid having high absorbency. The temperature of the first medium (22) is regulated by the second medium (24). After that, treated air is discharged from an outlet port (15) of the gas-liquid contact case (13).

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