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(54) Title: METHOD FOR REGULATING THE REGENERATION TIME OF AN ADSORPTION DRYER AND ADSORPTION DRYER IMPLEMENTING SUCH A METHOD

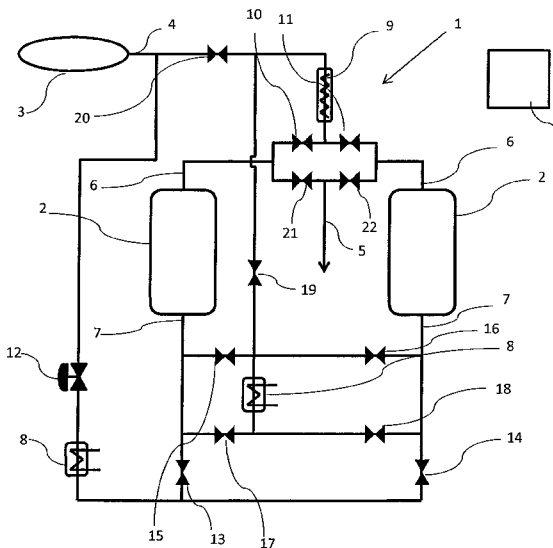


Figure 1

(57) Abstract: The present invention is directed to a method for regulating the regeneration time of an adsorption dryer, the method comprising the steps of: subjecting the adsorption dryer (1) to an adsorption cycle; stopping the adsorption cycle after a preset adsorption time interval (T1); and subsequently subjecting the adsorption dryer (1) to a first regeneration cycle during a preset time interval (Time3); characterized in that: maintaining the first regeneration cycle for an additional regeneration time interval (TE1) if said measured pressure dew point or relative humidity is higher than a predetermined pressure dew point or relative humidity threshold; and/or stopping said first regeneration cycle if the outlet temperature (temp1) is higher than or equal to a predetermined temperature threshold, and, if the time frame in which the adsorption dryer (1) is subjected to said first regeneration cycle is greater than a minimum heat regeneration time interval (THeat-min).

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