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(54) Title: METHOD FOR CONTROLLING A FIRST REFERENCE TEMPERATURE IN A DEVICE FOR COMPRESSING GAS

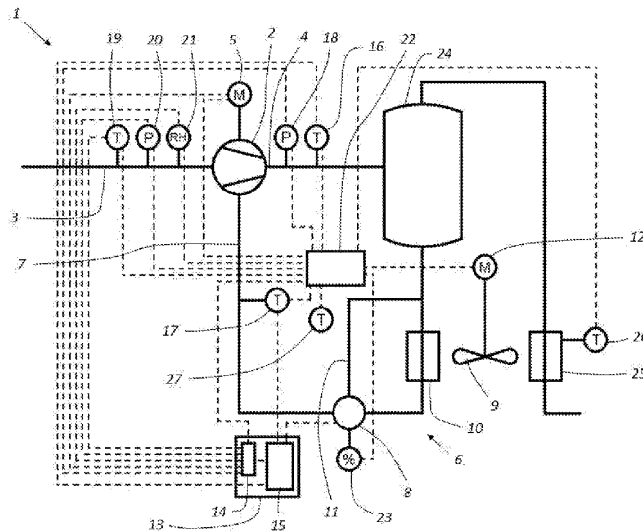


Fig. 1

(57) Abstract: A method for controlling a first reference temperature in a device (1) for compressing gas, the device (1) comprising: - an oil-injected element (2) for compressing the gas; - an oil injection pipe network (6) for injecting oil into the oil-injected element (2), comprising: - an apportioning means (8) for apportioning the oil into a first part and into a second part; - an oil cooler (10) cooled by a fan (9), for cooling the first part; and - a bypass (11) for diverting the second part past the oil cooler (10), wherein firstly an apportioning proportion of the first part is controlled to a required apportioning proportion, and wherein subsequently a speed of the fan (9) is controlled to a required speed optionally on the basis of the apportioning proportion, characterized in that the apportioning proportion is controlled by a control unit (15) on the basis of a non-fuzzy logic algorithm.

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