

ABSTRACT

METHOD OF CALIBRATING RADIATION THERMOMETER AND SYSTEM THEREOF

5 The present invention relates to a method and a system of automatically calibrating a radiation thermometer disposed in a polishing apparatus. This method includes: placing a heating device (61), to which a measurement body (68) is attached, below the radiation thermometer (48); and using a controller (40) of the polishing apparatus coupled to the heating device (61) to heat a temperature of the measurement
10 body (68) to a plurality of target temperatures (T_a), to measure the temperatures of the measurement body (68) at each target temperature (T_a) with the radiation thermometer (48), to calculate temperature deviation amounts which are differences between each of the target temperatures (T_a) and temperature output values of the radiation thermometer (48) corresponding to each target temperature (T_a), and to calibrate the radiation
15 thermometer (48) so that all the temperature deviation amounts are within a preset reference range.

Figure 4