

Abstract

Cleaning Apparatus, Measurement Method and Calibration Method

5 Subject: To provide a cleaning apparatus capable of cleaning substrates effectively and stably, a method for calibrating a device for measuring the concentration of a dissolved gas used in the cleaning apparatus, and a measurement method for measuring the concentration of a dissolved gas.

10 Solving Means: A calibration method according to this invention is a calibration method for calibrating a measurement device for measuring a concentration of a gas dissolved in a liquid. In the calibration method, a step (S10) of varying the
15 concentration of the gas dissolved in the liquid, and predetermining, as a reference concentration, a concentration of the gas at which an intensity of luminescence produced when the liquid is irradiated with ultrasonic waves shows a peak, is conducted. Next, a step (S20) of measuring a concentration of
20 the gas in the liquid with the measurement device to be calibrated when the intensity of the luminescence shows a peak by irradiating the liquid with ultrasonic waves while varying the concentration of the gas in the liquid, to determine a measured value of the concentration of the gas, is conducted. A
25 step (S30) of calibrating the measurement device to be calibrated based on the measured value and the reference concentration is conducted.

Fig. 1