Abstract

Ultrasonic Cleaning Method and Ultrasonic Cleaning Apparatus

Subject: There is provided an ultrasonic cleaning method and an ultrasonic cleaning apparatus by which a high particle removal rate is obtained in a stable manner.

Means for solving the problem: An ultrasonic cleaning method for cleaning an object to be cleaned in a liquid in which a gas is dissolved, by irradiating the liquid with ultrasonic waves, the method comprising the following steps: The liquid in which the gas is dissolved is prepared (S10). The object to be cleaned is cleaned while ultrasonic waves are applied to the liquid so that a region where a spatial rate of change of a refractive index of the liquid in which the gas is dissolved is large relative to a case where ultrasonic waves are not applied appears along a direction in which the ultrasonic waves travel (S40).

Selected Drawing: Fig. 6