

ABSTRACT

5 An atomizer includes a piezoelectric element 50 with comb-type electrodes having one electrode and the other electrode formed alternately at one side, a mesh member 40 having many small holes arranged in the proximity of a no-electrode formation plane of piezoelectric element 50, a liquid reagent bottle 20 storing a liquid L, and a solenoid 26 supplying the liquid L of liquid reagent bottle 20 between piezoelectric element 50 and mesh member 40. The vibratory wave of piezoelectric element 50 by an oscillation circuit is a bulk wave that travels within the piezoelectric element, not the surface wave propagating at the surface of the piezoelectric element defined by the comb-type electrode pitch. As a result, an atomizer can be provided improved in atomization efficiency and stabilized in atomization.

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