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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
10 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.