Abstract

The object of the invention is to provide a functional thin tube device in which a pump and a liquid drawing device are constituted to be not separate without a sophisticated channel design and to correspond to various applications. A functional thin tube device includes a hollow tubular body, a plurality of vibrating ring bodies mounted as being kept in contact with the tubular body spaced an interval along an axial direction on an outer circumference of the tubular body, and an energy supply means of energy for vibrating the vibrating ring bodies. The energy supply means is constituted to supply energy such that the displacement caused by vibrations is mutually different among the vibrating ring bodies.