

ABSTRACT
INTERMITTENT-BUBBLING DEVICE

An object is to provide an intermittent-bubbling device that can generate a bubble having a large diameter and that can be suitably used for, for example, claiming a filtration module. The present invention provides an intermittent-bubbling device used while being immersed in a liquid, and formed from a series of tubes, the intermittent-bubbling device including a gas storage path, one end of which opens downward, which stores a predetermined amount of gas, and which has a substantially inverted U-shape, and a gas-guiding path that communicates with the other end of the gas storage path, and that guides the gas upward from the other end. Preferably, a highest point at a lowest position of the gas-guiding path is not lower than the other end of the gas storage path. A cross-sectional area on the one end side of the gas storage path at a horizontal level position horizontal to the other end of the gas storage path is preferably larger than a cross-sectional area of the gas-guiding path. An upper end of the gas-guiding path is preferably located at a level equal to or higher than a highest point of the gas storage path. The tubes that form the gas storage path or the gas-guiding path may be connected to one another so as to be rotatable about an axis.

FIG. 1