CLAIMS

1. An infusion pump comprising:

a main body;

a tube attachment section disposed inside the main body, where an infusion tube configured to feed medicinal solution to a patient side is attached in a horizontal direction;

a liquid feed driving unit disposed inside the main body and configured to feed the medicinal solution inside the infusion tube in the horizontal direction by pressing the infusion tube in a state that the infusion tube is attached to the tube attachment section;

an access cover mounted on the main body and configured to cover the infusion tube attached to the tube attachment section by being closed; and

a bubble detection unit having an ultrasonic transmitting unit and an ultrasonic receiving unit and being configured to detect a bubble inside the infusion tube attached to the tube attachment section based on ultrasonic waves,

wherein the bubble detection unit includes a first member disposed at the access cover and a second member disposed at the main body, and a second space to narrow a flow path of the infusion tube on a more downstream side than the bubble detection unit of the infusion tube is set smaller compared to a first space to narrow the flow path of the infusion tube between the

first member and the second member in a state that the access cover is closed.

2. The infusion pump according to claim 1, wherein the first member includes a base portion, a projecting curved surface portion formed in a projecting manner from the base portion, and a projecting portion formed in a projecting manner on the more downstream side than the projecting curved surface portion to set the second space, and the second member includes a projecting curved surface portion facing the projecting curved surface portion of the first member and configured to set the first space.

3. The infusion pump according to claim 2, wherein a projecting height of the projecting portion from the base portion in the first member is set higher compared to a projecting height of the projecting curved surface portion from the base portion.

4. The infusion pump according to any of claims 1 to 3, wherein a display unit and an operation panel are disposed at an upper portion of the main body, and the tube attachment section, the liquid feed driving unit, and the access cover are disposed at a lower portion of the main body.