unit is contained in the protector, the engagement portion of the protector engages with the hub of the needle unit. It is stated that the engaging force of the engagement portion of the protector with the hub is such that it restricts removal of the needle unit from the protector even when the tube is strongly pushed toward the needle unit in the state in which the needle unit is contained in the protector.

[0006] Accordingly, if the needle unit of an unused needle device is accidentally contained in the protector, the needle unit cannot be pulled out of the protector, and it is no longer possible to use the needle device.

[0007] Embodiments of the present invention prevent accidental needle sticks of used injection needles, as well as operating mistakes that make unused needle devices no longer usable.

Means for Solving Problem

[0008] According to an aspect of the present invention, there is provided a needle unit having an injection needle with a sharp tip, and a hub holding a base end of the injection needle; a cover detachably attached to the needle unit so as to contain the injection needle; and a hollow, cylindrical protector having a locking claw. The needle device is configured such that the needle unit can be retracted into and contained in the protector from the hub side. In a state in which the cover is not attached to the needle unit, once the needle unit is contained in the protector, the locking claw engages with the hub so that the needle unit cannot be separated from the protector. In a state in which the cover is attached to the needle unit, the needle unit can be inserted into and removed from the protector.

Effects of the Invention

[0009] The needle device according to embodiments of the present invention is configured such that, in the state in which the cover is not attached to the needle unit, once the needle unit is contained in the protector, the needle unit cannot be separated from the protector. Therefore, after use of the needle device, accidental needle stick with the used injection needle can be prevented by retracting the needle unit into the protector without reattaching the cover to the needle unit.

[0010] On the other hand, the needle device is configured such that, in the state in