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# **Recording device**

### Abstract

An outer peripheral section of a tilt panel includes a first side surface section that extends along a second direction, the second direction intersecting with a first direction, a second side surface section that extends along the section that extends along the first direction and that connects an end section of the first side surface section, at least one of the first side surface section, the second side surface section, and the third side surface section is provided with a tilt operation section which is a section protruding outward from the tilt panel, and the tilt operation section is provided at a position overlapping an arrangement region of a touch panel in at least one of the first direction and the second direction in a plan view of the touch panel.

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# **Background/Summary**

(1) The present application is based on, and claims priority from JP Application Serial Number 2022-204325, filed Dec. 21, 2022, the disclosure of which is hereby incorporated by reference herein in its entirety.

### BACKGROUND

- 1. Technical Field
- (2) The present disclosure relates to a recording device that performs recording on a medium.
- 2. Related Art
- (3) In a printer as an example of a recording device, as shown in JP-A-2019-042998, an operation panel on which various setting operations can be performed by a user is provided so as to be pivotable, that is, tiltable with respect to a device main body.
- (4) In an operation panel, in a case where a section on which various setting operations can be performed by a user is configured by a touch panel, a frame section is formed between an outer periphery of the operation panel and an outer periphery of the touch panel. The frame section is a region in which the touch panel does not respond to a user's touch, and is a section that the user touches when the operation panel is pivoted.
- (5) However, in recent years, while the size of the touch panel is increased to improve operability, the size of the operation panel is maintained to suppress the increase in size, or the size of the operation panel is not allowed to be increased as much as the touch panel, so that the frame section tends to be reduced.
- (6) When the frame section is reduced in size, a region that can be touched by a user when the

operation panel is pivoted is reduced, operability when the operation panel is pivoted is reduced, and there is an increased possibility that a user unintentionally touches the touch panel to cause an erroneous operation.

### **SUMMARY**

(7) A recording device according to the present disclosure for solving the above-described problem includes a recording unit configured to perform recording on a medium; a tilt panel that is configured to tilt and that performs various setting operations for a device main body including the recording unit; and a rotation shaft for tilting the tilt panel, wherein the tilt panel includes a housing forming an outer peripheral section of the tilt panel and a touch panel provided on a part of the housing, the outer peripheral section includes a first side surface section that extends along a second direction, the second direction intersecting with a first direction, the first direction being an axial direction of the rotation shaft, a second side surface section that extends along the second direction and that is at an opposite side from the first side surface section, a third side surface section that extends along the first direction and that connects an end section of the first side surface section farther from the rotation shaft and an end section of the second side surface section farther from the rotation shaft, at least one of the first side surface section, the second side surface section, and the third side surface section is provided with a tilt operation section which is a section protruding outward from the tilt panel, and the tilt operation section is provided at a position overlapping an arrangement region of the touch panel in at least one of the first direction and the second direction in a plan view of the touch panel.

# **Description**

### BRIEF DESCRIPTION OF THE DRAWINGS

- (1) FIG. **1** is a perspective view of a printer viewed from a front side.
- (2) FIG. **2** is a plan view of a tilt panel with a rotation shaft on an upper side.
- (3) FIG. **3** is a plan view showing each embodiment of the tilt panel with the rotation shaft on the upper side.
- (4) FIG. **4** is a plan view showing each embodiment of the tilt panel with the rotation shaft on the upper side.
- (5) FIG. **5** is a plan view showing each embodiment of the tilt panel with the rotation shaft on the upper side.
- (6) FIG. **6** is a plan view showing an embodiment of the tilt panel with the rotation shaft on the upper side.
- (7) FIG. **7** is a plan view of the tilt panel with a rotation shaft on a lower side.
- (8) FIG. **8** is a plan view showing each embodiment of the tilt panel with the rotation shaft on the lower side.
- (9) FIG. **9** is a plan view showing each embodiment of the tilt panel with the rotation shaft on the lower side.
- (10) FIG. **10** is a plan view showing each embodiment of the tilt panel with the rotation shaft on the lower side.
- (11) FIG. **11** is a plan view showing an embodiment of the tilt panel with the rotation shaft on the lower side.
- (12) FIG. **12** is a plan view of a tilt panel capable of switching between a first state and a second state.

### DESCRIPTION OF EMBODIMENTS

- (13) The following is a description of the present disclosure in general terms.
- (14) A recording device according to a first aspect includes a recording unit configured to perform recording on a medium; a tilt panel that is configured to tilt and that performs various setting

operations for a device main body including the recording unit; and a rotation shaft for tilting the tilt panel, wherein the tilt panel includes a housing forming an outer peripheral section of the tilt panel and a touch panel provided on a part of the housing, the outer peripheral section includes a first side surface section that extends along a second direction, the second direction intersecting with a first direction, the first direction being an axial direction of the rotation shaft, a second side surface section that extends along the second direction and that is at an opposite side from the first side surface section, a third side surface section that extends along the first direction and that connects an end section of the first side surface section farther from the rotation shaft and an end section of the second side surface section, and the third side surface section is provided with a tilt operation section which is a section protruding outward from the tilt panel, and the tilt operation section is provided at a position overlapping an arrangement region of the touch panel in at least one of the first direction and the second direction in a plan view of the touch panel.

- (15) According to the aspect, even when the frame section around the touch panel becomes small and it becomes easy for a user to touch the touch panel when performing a tilt operation of the tilt panel, the user can perform the tilt operation of the tilt panel while suppressing the user from touching the touch panel by placing a finger on the tilt operation section, operability when pivoting the tilt panel is improved, and it is possible to suppress the user from unintentionally touching the touch panel and causing an erroneous operation.
- (16) In the present specification, the term "overlap" means that, for example, in a case where the tilt operation section and an arrangement region of the touch panel overlap each other in the first direction, at least a part of the tilt operation section and at least a part of the arrangement region of the touch panel are located at the same position in the first direction.
- (17) A second aspect is an aspect dependent on the first aspect, wherein an operation icon is displayed on the touch panel and the tilt operation section is provided at a position overlapping an arrangement region of the operation icon in at least one of the first direction and the second direction in a plan view of the touch panel.
- (18) According to the aspect, even when the frame section around the touch panel becomes small and it becomes easy for a user to touch the operation icon when performing a tilt operation of the tilt panel, the user can perform the tilt operation of the tilt panel while suppressing the user from touching the operation icon by placing a finger on the tilt operation section, operability when pivoting the tilt panel is improved, and it is possible to suppress the user from unintentionally touching the operation icon and causing an erroneous operation.
- (19) A third aspect is an aspect dependent on the first aspect, wherein the tilt operation section is provided on the first side surface section or the second side surface section, and is formed to have a size including an entire region of the touch panel in the second direction.
- (20) According to the aspect, since the tilt operation section is provided on the first side surface section or the second side surface section, and is formed to have a size including an entire region of the touch panel in the second direction, a user can easily place his/her finger on the tilt operation section.
- (21) The aspect may be dependent not on the first aspect but on the second aspect.
- (22) A fourth aspect is an aspect dependent on the first aspect, wherein the tilt operation section is provided on the third side surface section and is formed to have a size including an entire region of the touch panel in the first direction.
- (23) According to the aspect, since the tilt operation section is provided on the third side surface section and is formed to have a size including an entire region of the touch panel in the first direction, it is easy for a user to place a finger on the tilt operation section.
- (24) The aspect may be dependent not on the first aspect but on the second aspect.
- (25) A fifth aspect is an aspect dependent on the first aspect, wherein the tilt operation section integrally includes a first tilt operation section provided on the first side surface section or the

second side surface section and a second tilt operation section provided on the third side surface section.

- (26) According to the aspect, since the tilt operation section integrally includes a first tilt operation section provided on the first side surface section or the second side surface section and a second tilt operation section provided on the third side surface section, the degree of freedom of a position where a user places a finger on the tilt operation section is improved, and operability is improved. (27) A sixth aspect is an aspect dependent on the first aspect, wherein the tilt operation section
- (28) According to this aspect, since the tilt operation section includes a fingerprint authentication section for performing fingerprint authentication of a user, a dedicated space for arranging the fingerprint authentication section is not required, and the size of the device can be reduced.

includes a fingerprint authentication section for performing fingerprint authentication of a user.

- (29) The aspect may be dependent not on the first aspect but on any one of the second to fifth aspects.
- (30) A seventh aspect is an aspect dependent on the first aspect, wherein the tilt operation section is provided configured to switch between a first state in which the tilt operation section protrudes outward from the tilt panel and a second state in which the tilt operation section does not protrude outward from the tilt panel in a plan view of the touch panel.
- (31) According to the aspect, since the tilt operation section is provided configured to switch between a first state in which the tilt operation section protrudes outward from the tilt panel and a second state in which the tilt operation section does not protrude outward from the tilt panel in a plan view of the touch panel, by setting the tilt operation section to the second state, tilt panel can be made compact when the tilt operation section is not required.
- (32) The aspect may be dependent not on the first aspect but on any one of the second to sixth aspects.
- (33) Hereinafter, the present disclosure will be specifically described.
- (34) Hereinafter, an inkjet printer **1** will be described as an example of a recording device. Hereinafter, the inkjet printer **1** will be simply referred to as a printer **1**.
- (35) In the X-Y-Z coordinate system shown in FIG. **1**, an X-axis direction is a device width direction. A Y-axis direction is a device depth direction, and is a width direction of a sheet, which is an example of a medium. In the present embodiment, among side surfaces constituting the periphery of the printer **1**, a side surface provided with a tilt panel **20**, that is, a side surface in a +Y direction is a front surface of the device, and a side surface in a -Y direction is a rear surface of the device.
- (36) A Z-axis direction is a direction along the vertical direction and is a device height direction. The +Z direction is a vertically upward direction, and the −Z direction is a vertically downward direction.
- (37) In FIG. **1**, a printer **1** includes a device main body **2** including a recording head **5** which is an example of a recording unit that performs recording on a sheet, and a scanner section **3** which is an example of an image reading device provided on a upper section of the device main body **2**, and is configured as a multifunction device including a document reading function and a facsimile function in addition to an inkjet recording function.
- (38) Three sheet feeding cassette **4**A, **4**B, and **4**C are detachably provided in a lower section of the device main body **2**. The sheet accommodated in each sheet feeding cassette is fed in a +X direction by a feeding unit (not shown), curved upward, inverted, transported in a -X direction, and fed to a position facing the recording head **5**. Then, ink is ejected by the recording head **5** to perform recording.
- (39) In the embodiment, the recording head **5** is a so-called line head in which nozzles for ejecting ink are provided so as to cover an entire region in the Y-axis direction, that is, in a sheet width direction, and is configured as a recording head capable of recording on an entire sheet width without moving in the sheet width direction.

- (40) The sheet on which recording has been performed by the recording head **5** is transported in the –X direction, curved upward, inverted, transported in the +X direction, and discharged from a discharge port **6** in the +X direction. The sheets discharged from the discharge port **6** fall onto a discharge tray **8** and are stacked thereon.
- (41) The discharge port **6** faces a discharge space **7**. The discharge space **7** is a space formed in the device main body **2** for discharging the sheet, and is constituted by a housing **9** and the discharge tray **8**.
- (42) The discharge space **7** is formed by a first surface 9a of the housing **9**, the second surface 9b of the housing **9**, and the discharge tray **8**, and is a space that is open in the +Y direction and the +X direction. The first surface 9a is parallel to the X-Z plane, and the second surface 9b is parallel to the Y-Z plane.
- (43) The device main body **2** includes a tilt panel **20** on the front surface of the device for performing various operation settings for device main body **2** and the scanner section **3**, and for performing preview display of setting contents and a recorded image. Although the tilt panel **20** of FIG. **1** shows a tilt panel **20**-**3** which is one of a plurality of embodiments (to be described later), the tilt panel **20** may be a tilt panel **20** according to another embodiment.
- (44) The tilt panel **20** is provided on the device main body **2** via a rotation shaft **21** having an axial center line parallel to the X-axis direction, and is provided so that a tilt angle can be adjusted by rotating about the rotation shaft **21**. In the present embodiment, the rotation shaft **21** is configured as a free stop hinge, and is configured to be able to hold an arbitrary tilt angle. In the present embodiment, the tilt panel **20** can be tilted from a posture in which a front surface **20***a* is a vertical plane as indicated by a two dot chain line and a reference symbol **20**A in FIG. **1** to a posture in which the front surface **20***a* is tilted upward as indicated by a solid line in FIG. **1**, and further can be tilted to a posture in which the front surface **20***a* is a horizontal plane although not shown. The front surface **20***a* of the tilt panel **20** is a surface facing a user who performs an operation.
- (45) Hereinafter, the tilt panel **20** will be further described with reference to FIG. **2**. Although the tilt panel **20-3**, which is one of a plurality of embodiments (to be described later), is shown in FIG. **2**, the tilt panel **20-3** may be a tilt panel according to another embodiment.
- (46) In FIG. **2** and subsequent drawings, the w-h-d coordinate system is used instead of the X-Y-Z coordinate system shown in FIG. **1**. A w-axis direction is a horizontal direction in a plan view of the touch panel **22** and is an example of a first direction. The w-axis direction is an axial direction of the rotation shaft **21**. In the w-axis direction, a +w direction is a right direction as viewed from a user, and a -w direction is a left direction.
- (47) An h-axis direction is a vertical direction in a plan view of the touch panel **22**, and is an example of a second direction orthogonal to the first direction. In the h-axis direction, a +h direction is an upward direction as viewed from a user, and a -h direction is a downward direction. (48) A d-axis direction is a thickness direction in a plan view of the touch panel **22**, a +d direction is a direction from a back surface to a front surface of the touch panel **22**, and a -d direction is a direction from the front surface to the back surface of the touch panel **22**.
- (49) Hereinafter, the configuration of the tilt panel **20**, the arrangement of the operation icons, and the like may be described using terms "upper", "lower", "left", and "right", and in this case, the terms mean the directions of "upper", "lower", "left", and "right" when the touch panel **22** is viewed in a plan view as shown in FIG. **2**.
- (50) The tilt panel **20** includes a front surface **20***a* formed of a cover glass, a touch panel **22** under the front surface **20***a*, and a liquid crystal display section (not shown) under the touch panel **22**. In the present embodiment, the outline of the touch panel **22** and the outline of the liquid crystal display section are substantially the same. As the touch panel **22**, an electrostatic capacitance type, a resistive membrane type, an optical type, an electromagnetic induction type, and the like are known, and the electrostatic capacitance type is used in the present embodiment. In the present embodiment, a user's operation on the front surface **20***a* of the tilt panel **20** is basically a touch

operation on the touch panel 22.

- (51) An outer peripheral section **26** of the tilt panel **20** is formed by a housing **25**. The outer peripheral section **26** includes a first side surface section **26** a extending in the vertical direction on a right side of the tilt panel **20**, and a second side surface section **26** b extending in the vertical direction on a left side of the tilt panel **20** and opposite to the first side surface section **26** a. (52) Further, the outer peripheral section **26** includes a third side surface section **26** c extending in a left-right direction on an upper side of the tilt panel **20**. The third side surface section **26** is a section connecting an end section (–h direction end section) of the first side surface section **26** a far from the rotation shaft **21** and an end section (–h direction end section) of the second side surface section **26** far from the rotation shaft **21**. Furthermore, the outer peripheral section **26** includes a fourth side surface section **26** extending in the left-right direction on the upper side of the tilt panel **20**.
- (53) The rotation shaft **21** is provided on the upper side of the tilt panel **20**, that is, on an upper side of a center position in the vertical direction. The center position of the tilt panel **20** in the vertical direction is an intermediate position between the third side surface section **26***c* and the fourth side surface section **26***d*.
- (54) A frame section **27** is provided around the touch panel **22**. The frame section **27** is a section formed around the touch panel **22**. The frame section **27** includes a first frame section **27***a* extending in the vertical direction and located on a right side of the touch panel **22**, a second frame section **27***b* extending in the vertical direction and located on a left side of the touch panel **22**, a third frame section **27***c* extending in the left-right direction and located on a lower side of the touch panel **22**, and a fourth frame section **27***d* extending in the left-right direction and located on an upper side of the touch panel **22**.
- (55) For example, when the widths (lengths in the left-right direction) of the first frame section **27***a* and the second frame section **27***b* and the width (length in the left-right direction) of the third frame section **27***c* become small, it is difficult for a user to place his/her finger to tilt the tilt panel **20**.
- (56) On a lower side of the third frame section **27***c*, a button arrangement region **28** is provided along the left-right direction. In the button arrangement region **28**, a power button **23** for turning on and off the power of the printer **1**, and status lamps **24**A, **24**B, and **24**C for indicating a status of the printer **1** are arranged. The status lamps **24**A, **24**B, and **24**C are provided so as to emit light on both the front surface **20***a* and the third side surface section **26***c* of the tilt panel **20**.
- (57) Icon groups **32**A, **32**B, and **32**C are displayed on the rectangular touch panel **22**. Each of the icon groups **32**A, **32**B, and **32**C includes a plurality of operation icons. For example, in FIG. **2**, an icon group **32**A is arranged in a central region of the touch panel **22**, and is composed of operation icons such as "Copy", "Scan", and "Fax". An icon group **32**B is arranged at an upper right of the touch panel **22**, and an icon group **32**C is arranged at a lower left of the touch panel **22**.
- (58) A region D**1***a* is an arrangement region of the touch panel **22** in the left-right direction, and a region D**2***a* is an arrangement region of the touch panel **22** in the vertical direction.
- (59) A region D1b is an arrangement region of the icon group 32A in the left-right direction, and a region D2b is an arrangement region of the icon group 32A in the vertical direction.
- (60) A region D1c is an arrangement region of the icon group 32B in the left-right direction, and a region D2c is an arrangement region of the icon group 32B in the vertical direction. The region D1c is located on a right side of a center position in the left-right direction on the touch panel 22. The region D2c is located on an upper side of a center position in the vertical direction on the touch panel 22.
- (61) A region D1*d* is an arrangement region of the icon group 32C in the left-right direction, and a region D2*d* is an arrangement region of the icon group 32C in the vertical direction. The region D1*d* is located on a left side of the center position in the left-right direction on the touch panel 22. The region D2*d* is located on a lower side of the center position in the vertical direction on the touch panel 22.

- (62) Hereinafter, each embodiment of the tilt panel (tilt panels **20-1** to **20-25**) will be described. When the embodiments of the tilt panel are not particularly distinguished from each other, they may be generically referred to as a tilt panel **20**.
- (63) Tilt operation sections (tilt operation sections **30-1** to **30-25**) are provided in each of the tilt panels described below. When the embodiments of the tilt operation section are not particularly distinguished from each other, they may be generically referred to as a tilt operation section **30**.
- (64) Although the tilt operation section **30** is provided integrally with the housing **25** in each embodiment, the tilt operation section **30** may be configured separately from the housing **25** and then attached to the housing **25**.
- (65) The tilt operation section **30** is formed flush with the front surface **20***a* so as not to have a step, but may have a step with the surface **20***a*. The thickness (length in the d-axis direction) of the tilt operation section **30** is formed to be smaller than the thickness (length in the d-axis direction) of the tilt panel **20**, but may be equal to or larger than the thickness of the tilt panel **20**.
- (66) A tilt panel **20-1** shown in FIG. **3** is a first embodiment of the tilt panel.
- (67) The tilt panel **20-1** includes a tilt operation section **30-1** on the first side surface section **26***a* on a right side. The tilt operation section **30-1** is a section protruding to a right side from the tilt panel **20-1**.
- (68) The tilt operation section **30-1** is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **2**) of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-1** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-1**.
- (69) A tilt panel **20-2** shown in FIG. **3** is a second embodiment of the tilt panel.
- (70) The tilt panel **20-2** includes a tilt operation section **30-2** on the second side surface section **26***b* on a left side. The tilt operation section **30-2** is a section protruding to a left side from the tilt panel **20-2**.
- (71) The tilt operation section **30-2** is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **2**) of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-2** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-2**.
- (72) The tilt operation section **30-2** is provided at a position overlapping the arrangement region (region D2*d* in FIG. **2**) of the icon group **32**C in the vertical direction. That is, the tilt operation section **30-2** is arranged at a position for suppressing unintended contact with the icon group **32**C when a user performs a tilt operation on the tilt panel **20-2**.
- (73) A tilt panel **20-3** shown in FIG. **3** is a third embodiment of the tilt panel.
- (74) The tilt panel **20-3** includes a tilt operation section **30-3** on a right side with respect to a center position in the left-right direction on the third side surface section **26***c* on a lower side. The tilt operation section **30-3** is a section protruding to a lower side from the tilt panel **20-3**.
- (75) The tilt operation section **30-3** is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **2**) of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-3** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-3**.
- (76) A tilt panel **20-4** shown in FIG. **3** is a fourth embodiment of the tilt panel.
- (77) The tilt panel **20-4** includes a tilt operation section **30-4** on a left side with respect to the center position in the left-right direction on the third side surface section **26***c* on a lower side. The tilt operation section **30-4** is a section protruding to a lower side from the tilt panel **20-4**.
- (78) The tilt operation section **30-4** is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **2**) of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-4** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-4**.
- (79) A tilt panel **20-5** shown in FIG. **4** is a fifth embodiment of the tilt panel.

- (80) The tilt panel **20-5** includes a tilt operation section **30-5** on the first side surface section **26***a* on a right side. The tilt operation section **30-5** is a section protruding to a right side from the tilt panel **20-5**.
- (81) The tilt operation section **30-5** is provided at a position overlapping the arrangement region (region D2*a* in FIG. **2**) of the touch panel **22** in the vertical direction. In addition, the tilt operation section **30-5** is formed to have a size including an entire region of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-5** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-5**.
- (82) The tilt operation section **30-5** is provided at a position overlapping the arrangement region (region D**2***b* in FIG. **2**) of the icon group **32**A in the vertical direction. That is, the tilt operation section **30-5** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-5**.
- (83) The tilt operation section **30-5** is provided at a position overlapping the arrangement region (region D**2***c* in FIG. **2**) of the icon group **32**B in the vertical direction. That is, the tilt operation section **30-5** is arranged at a position for suppressing unintended contact with the icon group **32**B when a user performs a tilt operation on the tilt panel **20-5**.
- (84) A tilt panel **20-6** shown in FIG. **4** is a sixth embodiment of the tilt panel.
- (85) The tilt panel **20-6** includes a tilt operation section **30-6** on the second side surface section **26***b* on a left side. The tilt operation section **30-6** is a section protruding to a left side from the tilt panel **20-6**.
- (86) The tilt operation section **30-6** is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **2**) of the touch panel **22** in the vertical direction. In addition, the tilt operation section **30-6** is formed to have a size including an entire region of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-6** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-6**.
- (87) The tilt operation section **30-6** is provided at a position overlapping the arrangement region (region D**2***b* in FIG. **2**) of the icon group **32**A in the vertical direction. That is, the tilt operation section **30-6** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-6**.
- (88) The tilt operation section **30-6** is provided at a position overlapping the arrangement region (region D2*d* in FIG. **2**) of the icon group **32**C in the vertical direction. That is, the tilt operation section **30-6** is arranged at a position for suppressing unintended contact with the icon group **32**C when a user performs a tilt operation on the tilt panel **20-6**.
- (89) A tilt panel **20-7** shown in FIG. **4** is a seventh embodiment of the tilt panel.
- (90) The tilt panel **20-7** includes a tilt operation section **30-7** on the third side surface section **26***c* on a lower side. The tilt operation section **30-7** is a section protruding to a lower side from the tilt panel **20-7**.
- (91) The tilt operation section **30-7** is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **2**) of the touch panel **22** in the left-right direction. In addition, the tilt operation section **30-7** is formed to have a size including an entire region of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-7** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-7**.
- (92) A tilt panel **20-8** shown in FIG. **5** is an eighth embodiment of the tilt panel.
- (93) The tilt panel **20-8** includes a tilt operation section **30-8**. The tilt operation section **30-8** integrally includes a first tilt operation section **30-8***b* provided on the first side surface section **26***a* and a second tilt operation section **30-8***a* provided on the third side surface section **26***c*. The first tilt operation section **30-8***b* is a section protruding to a right side from the tilt panel **20-8**, and the

- second tilt operation section **30-8***a* is a section protruding to a lower side from the tilt panel **20-8**. (94) The first tilt operation section **30-8***b* is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **2**) of the touch panel **22** in the vertical direction. The second tilt operation section **30-8***a* is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **2**) of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-8** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-8**.
- (95) A tilt panel **20-9** shown in FIG. **5** is a ninth embodiment of the tilt panel.
- (96) The tilt panel **20-9** includes a tilt operation section **30-9**. The tilt operation section **30-9** integrally includes a first tilt operation section **30-9***b* provided on the second side surface section **26***b* and a second tilt operation section **30-9***a* provided on the third side surface section **26***c*. The first tilt operation section **30-9***b* is a section protruding to a left side from the tilt panel **20-9**, and the second tilt operation section **30-9***a* is a section protruding to a lower side from the tilt panel **20-9**.
- (97) The first tilt operation section **30-9***b* is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **2**) of the touch panel **22** in the vertical direction. The second tilt operation section **30-9***a* is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **2**) of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-9** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-9**.
- (98) The first tilt operation section **30-9***b* is provided at a position overlapping the arrangement region (region D**2***d* in FIG. **2**) of the icon group **32**C in the vertical direction. That is, the tilt operation section **30-9** is arranged at a position for suppressing unintended contact with the icon group **32**C when a user performs a tilt operation on the tilt panel **20-9**.
- (99) A tilt panel **20-10** shown in FIG. **5** is a tenth embodiment of the tilt panel.
- (100) The tilt panel **20-10** includes both the tilt operation section **30-8** and the tilt operation section **30-9** described above.
- (101) A tilt panel **20-11** shown in FIG. **6** is an eleventh embodiment of the tilt panel.
- (102) The tilt panel **20-11** includes a tilt operation section **30-11** on the first side surface section **26***a* on a right side. The tilt operation section **30-11** is a section protruding to a right side from the tilt panel **20-11**.
- (103) The tilt operation section **30-11** is provided at a position overlapping the arrangement region (region D2*a* in FIG. **2**) of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-11** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-11**.
- (104) The tilt operation section **30-11** is formed in a frame shape and includes an opening section **30-11***a*.
- (105) A tilt panel **20-12** shown in FIG. **6** is a twelfth embodiment of the tilt panel.
- (106) The tilt panel **20-12** includes a tilt operation section **30-12** on the first side surface section **26***a* on a right side. The tilt operation section **30-12** is a section protruding to a right side from the tilt panel **20-12**.
- (107) The tilt operation section **30-12** is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **2**) of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-12** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-12**.
- (108) The tilt operation section **30-12** is provided with a fingerprint authentication section **31**. The fingerprint authentication section **31** reads fingerprint information of a user and outputs a signal corresponding to the information to a control section (not shown). The user can use a security function of the printer **1**, for example, a function such as authentication printing, by using the fingerprint authentication section **31**.

- (109) Next, a case where the rotation shaft **21** is provided on a lower side of the tilt panel **20**, that is, on a lower side of a center position in the vertical direction will be described with reference to FIG. **7** and the subsequent drawings.
- (110) FIG. 7 shows, as an example, a tilt panel **20-15** according to a fifteenth embodiment which will be described below, and the same reference symbols are given to the same configurations as those already described.
- (111) In the embodiment described below, the rotation shaft **21** is provided on a lower side of the tilt panel **20** as shown in FIG. **7**.
- (112) In the embodiment described below, the third side surface section **26***c* is an upper side surface of the tilt panel **20**, and the fourth side surface section **26***d* is a lower side surface of the tilt panel **20**.
- (113) A tilt panel **20-13** shown in FIG. **8** is a thirteenth embodiment of the tilt panel.
- (114) The tilt panel **20-13** includes a tilt operation section **30-13** on the first side surface section **26***a* on a right side. The tilt operation section **30-13** is a section protruding to a right side from the tilt panel **20-13**.
- (115) The tilt operation section **30-13** is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **7**) of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-13** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-13**.
- (116) The tilt operation section **30-13** is provided at a position overlapping the arrangement region (region D**2***b* in FIG. **7**) of the icon group **32**A in the vertical direction. That is, the tilt operation section **30-13** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-13**.
- (117) The tilt operation section **30-13** is provided at a position overlapping the arrangement region (region D**2***c* in FIG. **7**) of the icon group **32**B in the vertical direction. That is, the tilt operation section **30-13** is arranged at a position for suppressing unintended contact with the icon group **32**B when a user performs a tilt operation on the tilt panel **20-13**.
- (118) A tilt panel **20-14** shown in FIG. **8** is a fourteenth embodiment of the tilt panel.
- (119) The tilt panel **20-14** includes a tilt operation section **30-14** on the second side surface section **26***b* on a left side. The tilt operation section **30-14** is a section protruding to a left side from the tilt panel **20-14**.
- (120) The tilt operation section **30-14** is provided at a position overlapping the arrangement region (region D2*a* in FIG. **7**) of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-14** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-14**.
- (121) The tilt operation section **30-14** is provided at a position overlapping the arrangement region (region D**2***b* in FIG. **7**) of the icon group **32**A in the vertical direction. That is, the tilt operation section **30-14** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-14**.
- (122) A tilt panel **20-15** shown in FIG. **8** is a fifteenth embodiment of the tilt panel.
- (123) The tilt panel **20-15** includes a tilt operation section **30-15** on a right side with respect to a center position in the left-right direction on the third side surface section **26***c* on an upper side. The tilt operation section **30-15** is a section protruding to an upper side from the tilt panel **20-15**.
- (124) The tilt operation section **30-15** is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **7**) of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-15** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-15**.
- (125) The tilt operation section **30-15** is provided at a position overlapping the arrangement region (region D**1***b* in FIG. **7**) of the icon group **32**A in the left-right direction. That is, the tilt operation section **30-15** is arranged at a position for suppressing unintended contact with the icon group **32**A

- when a user performs a tilt operation on the tilt panel **20-15**.
- (126) The tilt operation section **30-15** is provided at a position overlapping the arrangement region (region D**1***c* in FIG. **7**) of the icon group **32**B in the left-right direction. That is, the tilt operation section **30-15** is arranged at a position for suppressing unintended contact with the icon group **32**B when a user performs a tilt operation on the tilt panel **20-15**.
- (127) A tilt panel **20-16** shown in FIG. **8** is a sixteenth embodiment of the tilt panel.
- (128) The tilt panel **20-16** includes a tilt operation section **30-16** on a left side with respect to a center position in the left-right direction on the third side surface section **26***c* on an upper side. The tilt operation section **30-16** is a section protruding to an upper side from the tilt panel **20-16**.
- (129) The tilt operation section **30-16** is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **7**) of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-16** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-16**.
- (130) The tilt operation section **30-16** is provided at a position overlapping the arrangement region (region D**1***b* in FIG. **7**) of the icon group **32**A in the left-right direction. That is, the tilt operation section **30-16** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-16**.
- (131) A tilt panel **20-17** shown in FIG. **9** is a seventeenth embodiment of the tilt panel.
- (132) The tilt panel **20-17** includes a tilt operation section **30-17** on the first side surface section **26***a* on a right side. The tilt operation section **30-17** is a section protruding to a right side from the tilt panel **20-17**.
- (133) The tilt operation section **30-17** is provided at a position overlapping the arrangement region (region D2*a* in FIG. **7**) of the touch panel **22** in the vertical direction. In addition, the tilt operation section **30-17** is formed to have a size including an entire region of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-17** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-17**.
- (134) The tilt operation section **30-17** is provided at a position overlapping the arrangement region (region D**2***b* in FIG. **7**) of the icon group **32**A in the vertical direction. That is, the tilt operation section **30-17** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-17**.
- (135) The tilt operation section **30-17** is provided at a position overlapping the arrangement region (region D**2***c* in FIG. **7**) of the icon group **32**B in the vertical direction. That is, the tilt operation section **30-17** is arranged at a position for suppressing unintended contact with the icon group **32**B when a user performs a tilt operation on the tilt panel **20-17**.
- (136) A tilt panel **20-18** shown in FIG. **9** is an eighteenth embodiment of the tilt panel.
- (137) The tilt panel **20-18** includes a tilt operation section **30-18** on the second side surface section **26***b* on a left side. The tilt operation section **30-18** is a section protruding to a left side from the tilt panel **20-18**.
- (138) The tilt operation section **30-18** is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **7**) of the touch panel **22** in the vertical direction. In addition, the tilt operation section **30-18** is formed to have a size including an entire region of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-18** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-18**.
- (139) The tilt operation section **30-18** is provided at a position overlapping the arrangement region (region D2*b* in FIG. **7**) of the icon group **32**A in the vertical direction. That is, the tilt operation section **30-18** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-18**.
- (140) The tilt operation section **30-18** is provided at a position overlapping the arrangement region

- (region D2*d* in FIG. 7) of the icon group **32**C in the vertical direction. That is, the tilt operation section **30-18** is arranged at a position for suppressing unintended contact with the icon group **32**C when a user performs a tilt operation on the tilt panel **20-18**.
- (141) A tilt panel **20-19** shown in FIG. **9** is a nineteenth embodiment of the tilt panel.
- (142) The tilt panel **20-19** includes a tilt operation section **30-19** on the third side surface section **26***c* on an upper side.
- (143) The tilt operation section **30-19** is a section protruding to an upper side from the tilt panel **20-19**.
- (144) The tilt operation section **30-19** is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **7**) of the touch panel **22** in the left-right direction. In addition, the tilt operation section **30-19** is formed to have a size including an entire region of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-19** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-19**.
- (145) The tilt operation section **30-19** is provided at a position overlapping the arrangement region (region D**1***c* in FIG. **7**) of the icon group **32**B in the left-right direction. That is, the tilt operation section **30-19** is arranged at a position for suppressing unintended contact with the icon group **32**B when a user performs a tilt operation on the tilt panel **20-19**.
- (146) A tilt panel **20-20** shown in FIG. **10** is a twentieth embodiment of the tilt panel.
- (147) The tilt panel **20-20** includes a tilt operation section **30-20**. The tilt operation section **30-20** integrally includes a first tilt operation section **30-20***b* provided on the first side surface section **26***a* and a second tilt operation section **30-20***a* provided on the third side surface section **26***c*. The first tilt operation section **30-20***b* is a section protruding to a right side from the tilt panel **20-20**, and the second tilt operation section **30-20***a* is a section protruding to an upper side from the tilt panel **20-20**.
- (148) The first tilt operation section **30-20***b* is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **7**) of the touch panel **22** in the vertical direction. The second tilt operation section **30-20***a* is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **7**) of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-20** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-20**.
- (149) The first tilt operation section **30-20***b* is provided at a position overlapping the arrangement region (region D2*b* in FIG. **7**) of the icon group **32**A in the vertical direction. The second tilt operation section **30-20***a* is provided at a position overlapping the arrangement region (region D1*b* in FIG. **7**) of the icon group **32**A in the left-right direction. That is, the tilt operation section **30-20** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-20**.
- (150) The first tilt operation section **30-20***b* is provided at a position overlapping the arrangement region (region D**2***c* in FIG. **7**) of the icon group **32**B in the vertical direction. The second tilt operation section **30-20***a* is provided at a position overlapping the arrangement region (region D**1***c* in FIG. **7**) of the icon group **32**B in the left-right direction. That is, the tilt operation section **30-20** is arranged at a position for suppressing unintended contact with the icon group **32**B when a user performs a tilt operation on the tilt panel **20-20**.
- (151) A tilt panel **20-21** shown in FIG. **10** is a twenty first embodiment of the tilt panel.
- (152) The tilt panel **20-21** includes a tilt operation section **30-21**. The tilt operation section **30-21** integrally includes a first tilt operation section **30-21***b* provided on the second side surface section **26***b* and a second tilt operation section **30-21***a* provided on the third side surface section **26***c*. The first tilt operation section **30-21***b* is a section protruding to a left side from the tilt panel **20-21**, and the second tilt operation section **30-21***a* is a section protruding to an upper side from the tilt panel **20-21**.

- (153) The first tilt operation section **30-21***b* is provided at a position overlapping the arrangement region (region D**2***a* in FIG. **7**) of the touch panel **22** in the vertical direction. The second tilt operation section **30-21***a* is provided at a position overlapping the arrangement region (region D**1***a* in FIG. **7**) of the touch panel **22** in the left-right direction. That is, the tilt operation section **30-21** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-21**.
- (154) The first tilt operation section **30-21***b* is provided at a position overlapping the arrangement region (region D2*b* in FIG. 7) of the icon group **32**A in the vertical direction. The second tilt operation section **30-21***a* is provided at a position overlapping the arrangement region (region D1*b* in FIG. 7) of the icon group **32**A in the left-right direction. That is, the tilt operation section **30-21** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-21**.
- (155) A tilt panel **20-22** shown in FIG. **10** is a twenty second embodiment of the tilt panel.
- (156) The tilt panel **20-22** includes both the tilt operation section **30-20** and the tilt operation section **30-21** described above.
- (157) A tilt panel **20-23** shown in FIG. **11** is a twenty third embodiment of the tilt panel.
- (158) The tilt panel **20-23** includes a tilt operation section **30-23** on the first side surface section **26***a* on a right side. The tilt operation section **30-23** is a section protruding to a right side from the tilt panel **20-23**.
- (159) The tilt operation section **30-23** is formed in a frame shape and includes an opening section **30-23***a*.
- (160) The tilt operation section **30-23** is provided at a position overlapping the arrangement region (region D2*a* in FIG. **7**) of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-23** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-23**.
- (161) The tilt operation section **30-23** is provided at a position overlapping the arrangement region (region D**2***b* in FIG. **7**) of the icon group **32**A in the vertical direction. That is, the tilt operation section **30-23** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-23**.
- (162) The tilt operation section **30-23** is provided at a position overlapping the arrangement region (region D**2***c* in FIG. **7**) of the icon group **32**B in the vertical direction. That is, the tilt operation section **30-23** is arranged at a position for suppressing unintended contact with the icon group **32**B when a user performs a tilt operation on the tilt panel **20-23**.
- (163) A tilt panel **20-24** shown in FIG. **11** is a twenty fourth embodiment of the tilt panel.
- (164) The tilt panel **20-24** includes a tilt operation section **30-24** on the first side surface section **26***a* on a right side. The tilt operation section **30-24** is a section protruding to a right side from the tilt panel **20-24**.
- (165) The tilt operation section **30-24** is provided with a fingerprint authentication section **31**. The fingerprint authentication section **31** reads fingerprint information of a user and outputs a signal corresponding to the information to a control section (not shown). The user can use a security function of the printer **1**, for example, a function such as authentication printing, by using the fingerprint authentication section **31**.
- (166) The tilt operation section **30-24** is provided at a position overlapping the arrangement region (region D2*a* in FIG. **7**) of the touch panel **22** in the vertical direction. That is, the tilt operation section **30-24** is arranged at a position for suppressing unintended contact with the touch panel **22** when a user performs a tilt operation on the tilt panel **20-24**.
- (167) The tilt operation section **30-24** is provided at a position overlapping the arrangement region (region D**2***b* in FIG. **7**) of the icon group **32**A in the vertical direction. That is, the tilt operation section **30-24** is arranged at a position for suppressing unintended contact with the icon group **32**A when a user performs a tilt operation on the tilt panel **20-24**.

- (168) The tilt operation section **30-24** is provided at a position overlapping the arrangement region (region D**2***c* in FIG. **7**) of the icon group **32**B in the vertical direction. That is, the tilt operation section **30-24** is arranged at a position for suppressing unintended contact with the icon group **32**B when a user performs a tilt operation on the tilt panel **20-24**.
- (169) A tilt panel **20-25** shown in FIG. **12** is a twenty fifth embodiment of the tilt panel.
- (170) The tilt panel **20-25** includes a tilt operation section **30-25** on the first side surface section **26***a* on a right side. The tilt operation section **30-25** is a section protruding to a right side from the tilt panel **20-25**.
- (171) The tilt operation section **30-25** is provided at a position overlapping the arrangement region (region D2*a* in FIG. 7) of the touch panel **22** in the vertical direction.
- (172) The tilt operation section **30-25** is provided at a position overlapping the arrangement region (region D2*b* in FIG. **7**) of the icon group **32**A in the vertical direction.
- (173) The tilt operation section **30-25** is provided at a position overlapping the arrangement region (region D**2***c* in FIG. **7**) of the icon group **32**B in the vertical direction.
- (174) The tilt operation section **30-25** according to the present embodiment can be switched by a user operation between a first state in which the tilt operation section **30-25** protrudes outward from the tilt panel **20-25** as shown in a left side of FIG. **12** and a second state in which the tilt operation section **30-25** does not protrude from the tilt panel **20-25** as shown in a right side of FIG. **12**.
- section **30-25** does not protrude from the tilt panel **20-25** as shown in a right side of FIG. **12**. (175) As described above, the printer **1** includes the tilt panel **20** configured to tilt and that performs various setting operations for the device main body **2**, and the rotation shaft **21** for tilting the tilt panel **20**. The tilt panel **20** includes the housing **25** configured to form the outer peripheral section **26** of the tilt panel **20**, and the touch panel **22** provided on a part of the housing **25**. The outer peripheral section **26** includes the first side surface section **26** extending along the h-axis direction intersecting the w-axis direction which is an axial direction of the rotation shaft **21**, a second side surface section **26** extending along the h-axis direction and opposite to the first side surface section **26** and the third side surface section **26** connecting an end of the first side surface section **26** farther from the rotation shaft **21** and an end of the second side surface section **26** farther from the rotation shaft **21** and extending along the w-axis direction. At least one of the first side surface section **26** is provided with the tilt operation section **30** which is a section protruding outward from the tilt panel **20**. The tilt operation section **30** is provided at a position overlapping an arrangement region of the touch panel **22** in at least one of the w-axis direction and the h-axis direction in a plan view of the touch panel **22**.
- (176) As a result, even when the frame section **27** around the touch panel **22** becomes small and it becomes easy for a user to touch the touch panel **22** when performing a tilt operation of the tilt panel **20**, the user can perform the tilt operation of the tilt panel **20** while suppressing the user from touching the touch panel **22** by placing a finger on the tilt operation section **30**, operability when pivoting the tilt panel **20** is improved, and it is possible to suppress the user from unintentionally touching the touch panel **22** and causing an erroneous operation.
- (177) An operation icon is displayed on the touch panel 22, and the tilt operation section 30 (30-2, 30-5, 30-6, 30-9, 30-13, 30-14, 30-15, 30-16, 30-17, 30-18, 30-19, 30-20, 30-21, 30-23, 30-24, and 30-25) is provided at a position overlapping the arrangement region of the operation icon in at least one of the w-axis direction and the h-axis direction in a plan view of the touch panel 22.
- (178) As a result, even when the frame section around the touch panel **22** becomes small and it becomes easy for a user to touch the operation icon when performing a tilt operation of the tilt panel **20**, the user can perform the tilt operation of the tilt panel **20** while suppressing the user from touching the operation icon by placing a finger on the tilt operation section **30**, operability when pivoting the tilt panel **20** is improved, and it is possible to suppress the user from unintentionally touching the operation icon and causing an erroneous operation.
- (179) The tilt operation section **30** (**30-5**, **30-6**, **30-17**, and **30-18**) is provided on the first side

- surface section **26***a* or the second side surface section **26***b*, and is formed to have a size including an entire region of the touch panel **22** in the h-axis direction.
- (180) According to such a configuration, a user can easily place his or her finger on the tilt operation section **30**.
- (181) The tilt operation section **30** (**30-7** and **30-19**) is provided on the third side surface section **26***c*, and is formed to have a size including an entire region of the touch panel **22** in the w-axis direction.
- (182) According to such a configuration, a user can easily place his or her finger on the tilt operation section **30**.
- (183) The tilt operation section **30** (**30-8**, **30-9**, **30-20**, and **30-21**) integrally includes the first tilt operation section (**30-8***b*, **30-9***b*, **30-20***b*, and **30-21***b*) provided on the first side surface section **26***a* or the second side surface section **26***b*, and the second tilt operation section (**30-8***a*, **30-9***a*, **30-20***a*, and **30-21***a*) provided on the third side surface section **26***c*.
- (184) According to such a configuration, the degree of freedom of a position where a user places a finger on the tilt operation section **30** is improved, and operability is improved.
- (185) The tilt operation section **30** (**30-12** and **30-24**) includes the fingerprint authentication section **31** for performing fingerprint authentication of a user. According to such a configuration, a dedicated space for arranging the fingerprint authentication section **31** is not required, and the size of the device can be reduced.
- (186) The tilt operation section **30-25** can be switched by a user operation between a first state in which the tilt operation section **30-25** protrudes outward from the tilt panel **20-25** as shown in a left side of FIG. **12** and a second state in which the tilt operation section **30-25** does not protrude from the tilt panel **20-25** as shown in a right side of FIG. **12**.
- (187) According to such a configuration, by setting the tilt operation section **30-25** to the second state, the tilt panel **20-25** can be made compact when the tilt operation section **30-25** is not required.
- (188) Needless to say, the present disclosure is not limited to the embodiments described above, and various modifications are possible within the scope of the disclosure described in the claims, which are also included within the scope of the present disclosure.

### **Claims**

- 1. A recording device comprising: a recording head configured to perform recording on a medium; a tilt panel that is configured to tilt and that performs various setting operations for a device main body including the recording head; and a rotation shaft for tilting the tilt panel, wherein the tilt panel includes a housing forming an outer peripheral section of the tilt panel and a touch panel provided on a part of the housing, the outer peripheral section includes: a first side surface section that extends along a second direction, the second direction intersecting with a first direction, the first direction being an axial direction of the rotation shaft, a second side surface section that extends along the second direction and that is at an opposite side from the first side surface section, and a third side surface section that extends along the first direction and that connects an end section of the first side surface section farther from the rotation shaft and an end section of the second side surface section farther from the rotation shaft, at least one of the first side surface section, the second side surface section, and the third side surface section is provided with a tilt operation lever which is a section protruding in a direction along the rotation shaft from the tilt panel, the tilt operation lever is provided at a position overlapping an arrangement region of the touch panel in at least one of the first direction and the second direction in a plan view of the touch panel, and a thickness of the tilt operation lever is formed to be smaller than a thickness of the tilt panel.
- 2. The recording device according to claim 1, wherein an operation icon is displayed on the touch

panel and the tilt operation lever is provided at a position overlapping an arrangement region of the operation icon in at least one of the first direction and the second direction in a plan view of the touch panel.

- 3. The recording device according to claim 1, wherein the tilt operation lever is provided on the first side surface section or the second side surface section, and is formed to have a size including an entire region of the touch panel in the second direction.
- 4. The recording device according to claim 1, wherein the tilt operation lever is provided on the third side surface section and is formed to have a size including an entire region of the touch panel in the first direction.
- 5. The recording device according to claim 1, wherein the tilt operation lever integrally includes a first tilt operation lever provided on the first side surface section or the second side surface section and a second tilt operation lever provided on the third side surface section.
- 6. The recording device according to claim 1, wherein the tilt operation lever includes a fingerprint authentication section for performing fingerprint authentication of a user.
- 7. The recording device according to claim 1, wherein the tilt operation lever is provided configured to switch between a first state in which the tilt operation lever protrudes outward from the tilt panel and a second state in which the tilt operation lever does not protrude outward from the tilt panel in a plan view of the touch panel.
- 8. The recording device according to claim 1, wherein a length of the tilt operation lever is shorter than a length of the first side surface section, the second side surface section, and the third side surface section.
- 9. The recording device according to claim 1, wherein the tilt operation lever is a rectangle having a first side formed by any one of the first side surface section, the second side surface section, and the third side surface section.
- 10. The recording device according to claim 9, wherein a second side and a third side configured to form the tilt operation lever and intersect with the first side approach each other as the second side and the third side move away from the first side.