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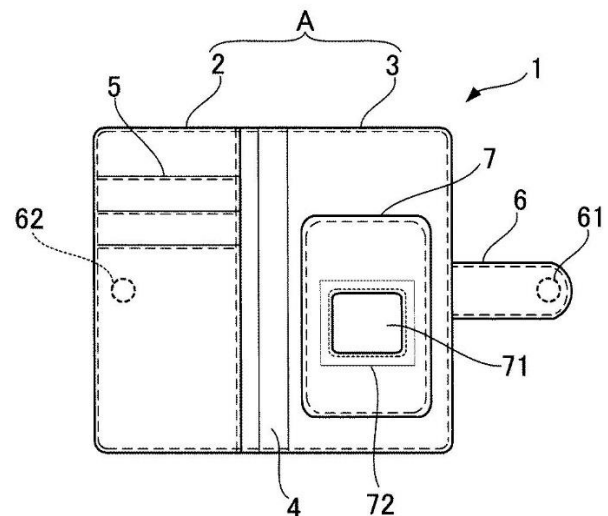
(54) Title of the Utility Model: Mobile phone case

(57) Abstract (amended)

[Problem] To provide a mobile phone case that enables improved ease of handling when using various functions of a mobile phone.

[Solution] A mobile phone case 1 comprising a cover piece 2 and a base piece 3 connected horizontally, the cover piece being folded over to cover and protect a mobile phone held on one side of the base piece, the case comprising: a holding panel 7 on which the mobile phone is held; and securing means for removably securing the holding panel and the base piece; wherein the securing means comprises a base-side securing part provided on the base and a holding-panel-side securing part provided on the holding panel, and the base-side securing part and the holding-panel-side securing part are both magnets.

[Selected drawing] FIG. 1



[Claims]

[Claim 1]

A mobile phone case comprising a cover piece and a base piece connected horizontally, the cover piece being folded over to cover and protect a mobile phone held on one side of the base piece, the case comprising:

a holding panel on which the mobile phone is held; and

securing means for removably securing the holding panel and the base piece; wherein:

the securing means comprises a base-side securing part provided on the base and a holding-panel-side securing part provided on the holding panel; and

the base-side securing part and the holding-panel-side securing part are both magnets.

[Claim 2]

The mobile phone case according to claim 1, wherein the holding-panel-side securing part is a sheet-shaped magnet layered on one side of the holding panel. 10

[Claim 3]

The mobile phone case according to claim 2, wherein the holding panel is formed in a rectangular shape, as seen in plan view, and comprises multiple ones of the holding-panel-side securing part that have sheet-like shapes and are respectively disposed at the four corners of the holding panel.

[Claim 4]

The mobile phone case according to claim 3, comprising multiple ones of the base-side securing part respectively disposed at the four corners of the holding panel.

[Claim 5]

The mobile phone case according to any one of claims 1–4, wherein an adhesive sheet is layered on the holding panel.

[Detailed Description of the Utility Model]

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[Field of the Invention]

[0001]

The present utility model relates to a mobile phone case. In particular, the present utility model relates to a mobile phone case used to protect a mobile phone.

[Background Art]

[0002]

Traditionally, mobile phone cases for holding mobile phones have been used, for example, to effectively prevent damage to dropped mobile phones or prevent scratches to the surfaces of mobile phones. Mobile phone cases of this sort having various shapes have been proposed. For example, as shown in schematic plan view in FIGS. 5 and 6, a mobile phone case 100 comprising a cover piece 101 and a base piece 102 connected horizontally, the cover piece 101 being folded over to cover and protect a mobile phone Z held on the base piece 102 side, is known. A holding piece 103 for holding a mobile phone is provided on the base piece 101 of the mobile phone case 100; one side edge of the holding piece is connected to the base piece 102, and the holding piece is capable of being flipped toward the outer side of the base piece 102 by the connecting part. The mobile phone case 100 is typically provided with a belt piece 104 for keeping the cover piece 101 in a folded-over state. 30

[0003]

This mobile phone case 100 is used, for example, by affixing one side of an adhesive sheet to the back side of the mobile phone Z, followed by affixing the other side of the adhesive sheet to the holding piece 103.

[Summary of the Utility Model]

[Problem to be Solved by the Utility Model]

[0004]

However, the mobile phone case described above presents a problem in that ease of handling is extremely poor when using various functions, such as the camera function, of the mobile phone housed in the case. To explain in concrete terms using the camera function as an example, because the lens of the camera is 40

usually provided on the rear side of the mobile phone, it is necessary, when taking photos, to flip the holding piece 103 holding the mobile phone toward the outside of the base piece 102 by the connecting part, as shown, for example, in FIG. 7, followed by pointing a lens Z1 of the camera Z in order to take a photo; this presents problems such as the cover piece 101, the base piece 102, the belt piece 104 provided on the base piece 102, etc., getting in the way and making it harder to take photos, or the cover piece 101 flipping in front of the camera lens Z1 against the user's intention, causing part of the cover piece 103 to show in the photographed image.

[0005]

The present utility model was created to solve such problems, and has an object of providing a mobile phone case that enables improved ease of handling when using various functions of a mobile phone.

[Means for Solving the Problem]

[0006]

The abovementioned object of the present utility model is achieved by a mobile phone case comprising a cover piece and a base piece connected horizontally, the cover piece being folded over to cover and protect a mobile phone held on one side of the base piece, the case comprising: a holding panel on which the mobile phone is held; and securing means for removably securing the holding panel and the base piece; wherein the securing means comprises a base-side securing part provided on the base and a holding-panel-side securing part provided on the holding panel, and the base-side securing part and the holding-panel-side securing part are both magnets.

[0007]

Because the mobile phone case according to the present utility model has the configuration described above, the holding panel holding the mobile phone can be removed from the base piece very easily, thus enabling improved ease of handling when operating the mobile phone, such as by making it possible to use the camera function without the cover piece or the base piece getting in the way. In addition, when putting a mobile phone in the mobile phone case, the holding panel is automatically secured in place on the base piece by the mutual attraction (magnetic attraction) of the magnet provided on the holding panel and the magnet provided on the base piece simply by placing the holding panel near the surface of the base piece, thereby enabling improved ease of handling when securing the mobile phone in the mobile phone case.

[0008]

In the mobile phone case described above, the holding-panel-side securing part is preferably a sheet-shaped magnet layered on one side of the holding panel. Adopting such a configuration allows for a slimmer holding panel and a more compact mobile phone case.

[0009]

It is preferable that the holding panel be formed in a rectangular shape, as seen in plan view, and comprise multiple ones of the holding-panel-side securing part that have sheet-like shapes and are respectively disposed at the four corners of the holding panel. Adopting such a configuration makes it possible to stably secure the holding panel holding the mobile phone to the base piece.

[0010]

It is preferable to provide multiple ones of the base-side securing part respectively disposed at the four corners of the holding panel. Adopting such a configuration makes it possible to create an arrangement whereby the holding panel is attracted to and automatically accurately positioned at a predetermined attachment position on the base piece through the mutual attraction (magnetic attraction) of the magnet provided on the holding panel and the magnet provided on the base piece simply by placing the holding panel holding the mobile phone near the surface of the base.

[0011]

An adhesive sheet is preferably layered on the holding panel. Providing such an adhesive sheet makes it possible to easily and firmly bond and secure the mobile phone and the holding panel with the adhesive sheet and effectively keep the mobile phone held in the mobile phone case from falling out of the case.

[Effects of the Utility Model]

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[0012]

In accordance with the present utility model, it is possible to provide a mobile phone case that enables improved ease of handling when using various functions of a mobile phone.

[Brief Description of the Drawings]

[0013]

[FIG. 1] A schematic plan view of a mobile phone case according to the present utility model.

[FIG. 2] A schematic plan view showing a state in which a holding panel (7) of the mobile phone case 1 shown in FIG. 1 has been removed.

[FIG. 3] An illustration of the mobile phone case shown in FIG. 1 in use.

[FIG. 4] A schematic plan view of a modified example of the mobile phone case according to the present utility model.

[FIG. 5] A schematic plan view of a conventional mobile phone case.

[FIG. 6] A schematic plan view showing a state in which a holding panel of the conventional mobile phone case shown in FIG. 5 has been flipped to the outside of a base piece thereof by a connecting portion.

[FIG. 7] An illustration for explaining a method of taking photos using a mobile phone housed in the conventional mobile phone case shown in FIG. 5.

[Embodiments of the Utility Model]

[0014]

The mobile phone case according to the present utility model will be described below with reference to the attached drawings. The various drawings are partially enlarged or reduced in scale for ease of understanding. FIG. 1 is a schematic plan view of a mobile phone case 1 according to the present utility model, and FIG. 2 is a schematic plan view showing a state in which a holding panel 7 of the mobile phone case 1 according to the present utility model has been removed. As shown in FIGS. 1 and 2, the mobile phone case 1 according to the present utility model has a case body A comprising a cover piece 2 and a base piece 3 connected horizontally, with the cover piece 2 being folded over to cover and protect the mobile phone held on the base piece 3. The case body A is configured to be foldable in half at a boundary part 4 between the cover piece 2 and the base piece 3. The cover piece 2 and the base piece 3 are both formed to have approximately rectangular shapes, as seen in plan view.

[0015]

A plurality of pockets 5 for storing cards is provided on the side of the cover piece 2 that faces the base piece 3 when the case is folded in half at the boundary part 4 between the cover piece 2 and the base piece 3 (i.e., on the inner surface of the cover piece 2). The openings of the pockets 5 are formed in a direction along the horizontal direction in FIG. 1 to allow cards to be slid in and out in the vertical direction. The pockets 5 are not particularly limited to the form described above, and may have various forms. For example, the openings of the pockets may be formed in a direction along the vertical direction in FIG. 1 to allow cards to be slid in and out in the horizontal direction.

[0016]

The mobile phone case 1 also comprises a belt piece 6 for keeping the cover piece 2 from coming open when the case body A is folded in half at the boundary part 4 between the cover piece 2 and the base piece 3. One end of the belt piece 6 is connected and secured to approximately the center of the side edge of the base piece 3 opposite the other side edge of the base piece 3 that forms the boundary part 4 between the cover piece 2 and the base piece 3. A belt-securing part 61 for securing the belt piece is provided on the other end of the belt piece 6. In the present embodiment, the belt-securing part 61 is constituted by a magnet. An engaging part 62 that is releasably engaged with the belt-securing part 61 is provided on the outer surface of the cover piece 2 (i.e., the surface thereof that faces outward when the case is folded in half at the boundary part 4 between the cover piece 2 and the base piece 3) in approximately the center of the side edge of the cover piece 2 opposite the side edge thereof that forms the boundary part 4 between the cover piece 2 and the base piece 3. In the present embodiment, the engaging part 62 is constituted by a magnet. In this configuration, the belt-securing part 61 (magnet) on the belt piece 6 and the engaging part 62 (magnet) are attracted to and engaged with each other through magnetic attraction when the former is held

near the latter when the case body A is folded in half at the boundary part 4 between the cover piece 2 and the base piece 3, thereby making it possible to keep the case body A in a folded-in-half state. The belt-securing part 61, which is constituted by a magnet, may be disposed at an exposed position on the surface of the belt piece 6, or, if the belt piece 6 is formed from a laminate of multiple sheets, the belt-securing part 61 may be disposed between any desired sheets. Similarly, the engaging part 62, which is constituted by a magnet, may also be disposed at an exposed position on a surface of the cover piece 2, or, if the cover piece 2 is formed from a laminate of multiple sheets, the engaging part 62 may be disposed between any desired sheets. The specific form of the means for engaging the belt piece 6 constituted by the belt-securing part 61 and the engaging part 62 is not particularly limited to being magnets; various engaging means can be employed. For example, a pair of hook-and-loop fasteners, consisting of a male fastener and a female fastener, may be employed as the engaging means, or a pair of snap fasteners may be employed.

[0017]

The mobile phone case 1 according to the present utility model comprises a holding panel 7, which has a rectangular shape, as seen in plan view, and on which the mobile phone is held, and securing means 8 for removably securing the holding panel 7 and the base piece 3. The securing means 8 comprises a base-side securing part 81 provided on the base piece 3 and a holding-panel-side securing part 82 provided on the holding panel 7. The base-side securing part 81 and the holding-panel-side securing part 82 are both constituted by magnets, and the base-side securing part 81 and the holding-panel-side securing part 82 are disposed at positions such that the parts can be attracted to each other through the magnetic force of the magnets.

[0018]

More specifically, the holding-panel-side securing part 82 is constituted by a plurality of sheet-shaped magnets, and each holding-panel-side securing part 82 (sheet-shaped magnet) is layered on one side of the holding panel 7 at the four corners of the holding panel 7. The base-side securing part 81 is also constituted by a plurality of sheet-shaped magnets, and the base-side securing parts 81 (magnets) are disposed at predetermined positions on the base piece 3 corresponding to the four corners of the holding panel 7. The base-side securing part 81 may be disposed at an exposed position on the surface of the base-side securing part 81, or, if the base piece 3 is formed from a laminate of multiple sheets, the base-side securing part 81 may be disposed between any desired sheets. Similarly, the holding-panel-side securing part 82 may also be disposed at an exposed position on one surface of the holding panel 7, or, if the holding panel 7 is formed from a laminate of multiple sheets, the holding-panel-side securing part 82 may be disposed between any desired sheets.

[0019]

The plan-view shape of the holding panel 7 is preferably configured to have a smaller area than the plan-view shape of the mobile phone. In particular, the holding panel 7 is configured to have a size such that a camera lens provided on the upper part of the rear side of the mobile phone is exposed without being concealed by the holding panel 7.

[0020]

In the present embodiment, an adhesive sheet 71 is layered on the other side of the holding panel 7, and the mobile phone and the holding panel 7 can be integrated by the adhesive sheet 71. There is no particular limitation upon the plan-view shape of the adhesive sheet 71, and various plan-view shapes, such as rectangular or circular, can be adopted. Moreover, while there is no particular limitation on the size of the adhesive sheet 71, as seen in plan view, the adhesive sheet 71 is preferably configured to have a size of, for example, 15% to 40% of the area of the mobile phone as seen in plan view for the sake of ease of removing the mobile phone from the holding panel 7 while keeping the mobile phone from readily detaching from the holding panel 7. A release sheet 72 is layered on the exposed surface of the adhesive sheet 71, thereby preventing the cover piece 2 and the holding panel 7 from being bonded by the adhesive sheet 71 before the mobile phone case 1 is used. The periphery of the adhesive sheet 71 is preferably stitched to the holding panel 7 to keep the adhesive sheet 71 from detaching from the holding panel 7 when the mobile phone attached to the holding panel is detached from the base piece 3.

[0021]

The mobile phone case 1 according to the present utility model described above has a configuration such that the holding panel 7 holding the mobile phone is detachably mounted to the base piece 3 by the magnetic force of magnets, thereby making it possible to remove the holding panel 7 holding the mobile phone from the base piece 3 very easily. In other words, the mobile phone Z can be removed from the case body A along with the holding panel 7 to use the camera function, as shown, for example, in FIG. 3, thereby enabling the user to take photographs without the cover piece 2, the base piece 3, and the like getting in the way. In this way, the mobile phone case 1 according to the present utility model enables improved ease of handling the mobile phone when being operated by a user. In addition, when putting a mobile phone in the mobile phone case 1, the holding panel 7 is automatically secured in place on the base piece 3 by the mutual attraction (magnetic attraction) of the magnet provided on the holding panel 7 and the magnet provided on the base piece 3 simply by placing the holding panel 7 near the surface of the base piece 3, thereby enabling improved ease of handling when securing the mobile phone in the mobile phone case 1.

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[0022]

In addition, because the holding-panel-side securing part 82 is constituted by a sheet-shaped magnet layered on one side of the holding panel 7, the holding panel 7 can be made slimmer and the mobile phone case 1 more compact.

[0023]

In addition, because a plurality of holding-panel-side securing parts 82 constituted by sheet-shaped magnets are respectively disposed at the four corners of the holding panel 7, the holding panel 7 holding the mobile phone can be stably secured to the base piece 3. In addition, because a plurality of base-side securing parts 81 constituted by magnets are respectively correspondingly disposed at the four corners of the holding panel 7, a configuration is enabled whereby the holding panel 7 is attracted through the mutual attraction (magnetic attraction) of the magnets provided on the holding panel 7 (the holding-panel-side securing parts 82) and the magnets provided on the base piece 3 (the base-side securing parts 81), thereby automatically and accurately positioning the holding panel 7 at predetermined mounting positions on the base piece 3 at which the four corners of the holding panel 7 should be located, simply by placing the holding panel 7 holding the mobile phone near the surface of the base.

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[0024]

While the foregoing has been a description of the mobile phone case 1 according to the present utility model, the specific configuration thereof is not limited to the embodiment described above. While the embodiment described above has a configuration in which the holding-panel-side securing parts 82 constituted by sheet-shaped magnets are disposed at the four corners of the holding panel 7, the present utility model is not limited to such a configuration; for example, the holding-panel-side securing part 82 may consist of a single sheet-shaped magnet having approximately the same size as the holding panel 7, as seen in plan view, and the holding-panel-side securing part 82 may be layered on one side of the holding panel 7 to form the mobile phone case 1. Alternatively, holding-panel-side securing parts 82 constituted by sheet-shaped magnets may be disposed in two regions along the upper and lower edges of the holding panel 7.

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[0025]

While the embodiment described above is provided with a plurality of base-side securing parts 81 respectively disposed on the base piece 3 at predetermined positions corresponding to the four corners of the holding panel 7, the present utility model is not limited to such a configuration; for example, the base-side securing part 81 may consist of a single, sheet-shaped magnet that has approximately the same size as the holding panel 7, as seen in plan view, and layered on the base piece 3.

[0026]

As concerns the north and south magnetic poles of the four base-side securing parts 81 (magnets) disposed on the base piece 3 on the side facing the holding panel 7 in the embodiment described above, the base-side securing parts 81 (magnets) may be arranged, for example, so that the magnetic poles of the base-side securing parts 81 (magnets) on the side facing the holding panel 7 alternate in clockwise order between opposite polarities in the order south, north, south, and north starting from the upper-right base-side securing part 81, as shown in plan view, in FIG. 4. When adopting such an arrangement of magnetic poles, the four holding-panel-side securing parts 82 (magnets) disposed on the holding panel 7 are arranged so that the

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respective magnetic poles of the holding-panel-side securing parts 82 (magnets) on the side facing the base piece 3 are north, south, north, and south in corresponding order. Adopting such a configuration causes the holding-panel-side securing parts 82 (magnets) provided at the four corners of the holding panel 7 to be more readily attracted to the corresponding base-side securing parts 81 (magnets) when the holding panel 7 holding the mobile phone is held near the central area of the base piece 3, thereby making it possible to automatically and more accurately dispose the four corners of the holding panel 7 at the appropriate predetermined mounting positions on the base piece 3.

[0027]

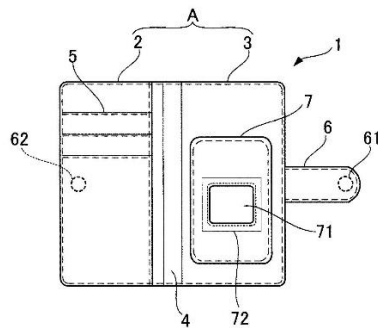
While the base-side securing parts 81 are constituted by sheet-shaped magnets in the embodiment described above, these parts are not limited to such a configuration and may be constituted by comparatively thick magnets. Alternatively, it is acceptable for some of the base-side securing parts 81 to be constituted by sheet-shaped magnets and the other base-side securing parts 81 to be constituted by comparatively thick magnets. The same is true for the holding-panel-side securing parts 82: it is acceptable for all of the holding-panel-side securing parts 82 to be constituted by relatively thick magnets, or for some of the holding-panel-side securing parts 82 to be constituted by sheet-shaped magnets and the other holding-panel-side securing parts 82 to be constituted by comparatively thick magnets.

[Explanation of Reference Numbers]

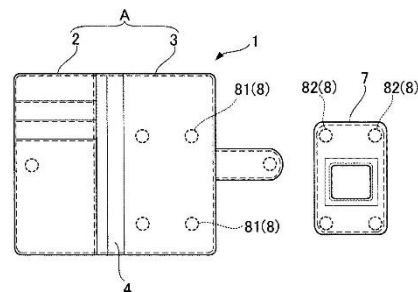
[0028]

- 1 Mobile phone case
- 2 Cover piece
- 3 Base piece
- 4 Boundary part
- 5 Pocket
- 6 Belt piece
- 7 Holding panel
- 8 Securing means
- 81 Base-side securing part
- 82 Holding-panel-side securing part

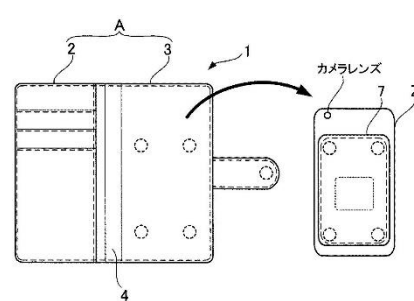
[FIG. 1]



[FIG. 2]



[FIG. 3]



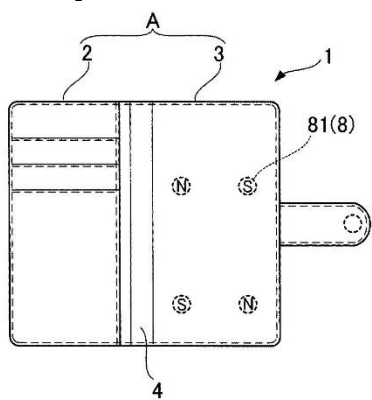
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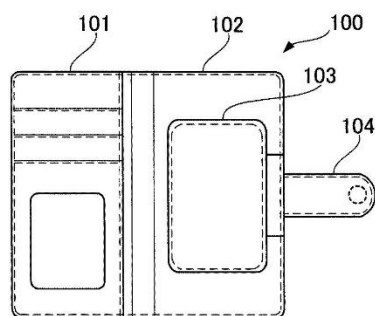
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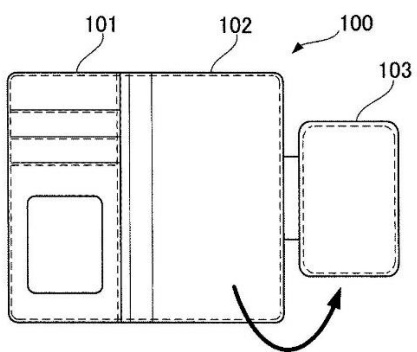
[FIG. 4]



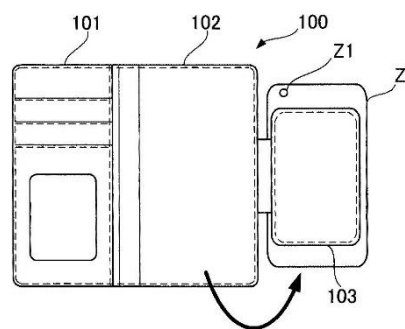
[FIG. 5]



[FIG. 6]



[FIG. 7]



TRANSLATION CERTIFICATION

Date: 2025/05/05

To whom it may concern:

This is to certify that the attached translation is an accurate representation of the documents received by this office. The translation was completed from:

- Japanese

To:

- English (USA)

The documents are designated as:

- JP3200923U - Kenji.pdf

Cheli Rojas, Program Project Manager in this company, attests to the following:

“To the best of my knowledge, the aforementioned documents are a true, full and accurate translation of the specified documents.”



Signature of **Cheli Rojas**, Program Project Manager

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