

erably may comprise three-dimensional image processing means for carrying out a three-dimensional image processing on an image picked up by the pair of front camera portions when the pair of front camera portions is disposed right and left in the vicinity of the display portion with the display portion put into the oblong state. The upper unit further may comprise a rear camera portion at a rear face thereof. Instead of comprising the rear camera portion at the rear face of the upper unit, the hinge-type connector may comprise a rear camera portion at a rear face thereof.

#### BRIEF DESCRIPTION OF THE DRAWING

[0025] **FIG. 1A** is a side view showing a closed state of a foldable portable telephone set according to a first embodiment of this invention;

[0026] **FIG. 1B** is an elevational view showing the closed state of the foldable portable telephone set according to the first embodiment of this invention;

[0027] **FIG. 1C** is a side view showing an opened state of the foldable portable telephone set according to the first embodiment of this invention;

[0028] **FIG. 2A** is an elevational view showing the opened state of the foldable portable telephone set according to the first embodiment of this invention;

[0029] **FIG. 2B** is an elevational view showing the opened state of the foldable portable telephone set according to the first embodiment of this invention when a display portion is put into an oblong state by rotating a display portion unit counterclockwise by about 90 degrees;

[0030] **FIG. 2C** is an elevational view showing the opened state of the foldable portable telephone set according to the first embodiment of this invention when the display portion is put into the oblong state by rotating the display portion unit clockwise by about 90 degrees;

[0031] **FIG. 2D** is a rear elevation of **FIG. 2B**;

[0032] **FIG. 3** is a perspective view showing the opened state of the foldable portable telephone set according to the first embodiment of this invention;

[0033] **FIG. 4A** is a sectional view of **FIG. 1C**;

[0034] **FIG. 4B** is an elevational view showing a rotating and sliding mechanism for use in the foldable portable telephone set according to the first embodiment of this invention;

[0035] **FIG. 4C** is an enlarged sectional view showing the rotating and sliding mechanism enlarged;

[0036] **FIG. 5** is a circuit block diagram showing an electric circuit portion of the foldable portable telephone set according to the first embodiment of this invention;

[0037] **FIG. 6** is a rear schematic view for use in describing an arrangement of magnetic sensors used in the foldable portable telephone set according to the first embodiment of this invention;

[0038] **FIG. 7** is a flow chart for use in describing a switching operation of a display mode in accordance with detection of a rotation position of a display portion unit by a rotation angle detecting portion illustrated in **FIG. 6**;

[0039] **FIG. 8A** is a side view showing a closed state of a foldable portable telephone set according to a second embodiment of this invention;

[0040] **FIG. 8B** is an elevational view showing the closed state of the foldable portable telephone set according to the second embodiment of this invention;

[0041] **FIG. 8C** is a side view showing an opened state of the foldable portable telephone set according to the second embodiment of this invention;

[0042] **FIG. 8D** is an elevational view showing the opened state of the foldable portable telephone set according to the second embodiment of this invention;

[0043] **FIG. 8E** is an elevational view showing the opened state of the foldable portable telephone set according to the second embodiment of this invention when a display portion is put into an oblong state; and

[0044] **FIG. 9** is a circuit block diagram showing an electric circuit portion of the foldable portable telephone set according to the second embodiment of this invention.

#### DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0045] Referring to **FIGS. 1A through 1C, 2A through 2D, and 3**, the description will proceed to a foldable portable telephone set **10** according to a first embodiment of this invention. **FIG. 1A** is a side view showing a closed state of the foldable portable telephone set **10** according to the first embodiment of this invention. **FIG. 1B** is an elevational view showing the closed state of the foldable portable telephone set **10** according to the first embodiment of this invention. **FIG. 1C** is a side view showing an opened state of the foldable portable telephone set **10** according to the first embodiment of this invention. **FIG. 2A** is an elevational view showing the opened state of the foldable portable telephone set **10** according to the first embodiment of this invention when a display portion is put into an oblong state by rotating a display portion unit counterclockwise CCW by about 90 degrees. **FIG. 2C** is an elevational view showing the opened state of the foldable portable telephone set **10** according to the first embodiment of this invention when the display portion is put into the oblong state by rotating the display portion unit clockwise CW by about 90 degrees. **FIG. 2D** is a rear elevation of **FIG. 2B**. **FIG. 3** is a perspective view showing the opened state of the foldable portable telephone set **10** according to the first embodiment of this invention.

[0046] The illustrated foldable portable telephone set **10** mainly comprises, as shown in **FIG. 3**, a lower unit **20** having a console portion **12**, an upper unit **30** having a display portion **11**, and a hinge portion **13** for joining the lower unit **20** and the upper unit **30** so as to open and close and for electrically connecting both by a suitable connecting arrangement (not shown).

[0047] The lower unit **20** has a main surface (a console face) **20a** on which the console portion **12** and a fingerprint certifying portion **14** are disposed. The console portion **12** comprises a plurality of console keys for using functions of the foldable portable telephone set **10**. The fingerprint cer-