

irradiated by light from a display, thus enabling the possibility to provide differentiated designs and colors via the panel. It will also enable the provision of a sharp image from a display provided under it.

[0047] The invention may be provided as only a resistive touch panel, as a combination of a resistive touch panel and display, as well as a resistive touch panel provided in a portable electronic device together with or without a display.

1-13. (canceled)

14. A resistive touch panel comprising:

a first electrically conducting layer, wherein the first electrically conducting layer is flexible;
a second electrically conducting layer; and
a chamber disposed between the first electrically conducting layer and the second electrically conducting layer, wherein the chamber includes a transparent liquid.

15. The resistive touch panel of claim 14, wherein the transparent liquid is electrically insulating.

16. The resistive touch panel of claim 14, wherein the transparent liquid is a chemically non-reactive liquid relative to walls of the chamber.

17. The resistive touch panel of any of claim 14, wherein the transparent liquid exhibits a constant temperature and a constant pressure.

18. The resistive touch panel of claim 14, wherein the transparent liquid has a refractive index that is matched to a refractive index of the first electrically conducting layer.

19. The resistive touch panel of claim 18, wherein the refractive index of the transparent liquid is matched to a refractive index of the second electrically conducting layer.

20. The resistive touch panel of claim 18, wherein the refractive index of the transparent liquid is greater than a refractive index of air.

21. The resistive touch panel of claim 20, wherein the refractive index of the transparent liquid is selected from to provide reflection of a portion of light incident on the transparent liquid that is less than a predetermined value.

22. The resistive touch panel of claim 21, wherein the predetermined value is less than 10 percent.

23. The resistive touch panel of claim 21, wherein the predetermined value is less than 4 percent.

24. The resistive touch panel of claim 21, wherein the predetermined value is less than 1 percent.

25. The resistive touch panel of claim 14, wherein the transparent liquid comprises an oil-based liquid.

26. An information presenting device comprising:

a resistive touch panel including:

a first electrically conductive layer that is flexible,
a second electrically conductive layer, and
a chamber between the first and second electrically conductive layers; and

a display proximate the resistive touch panel, wherein the chamber includes a transparent liquid.

27. An electronic device including a resistive touch panel, the resistive panel comprising:

a first electrically conducting layer, the first electrically conducting layer being flexible;

a second electrically conducting layer; and

a chamber interposed between the first and second electrically conducting layers, wherein said chamber comprises a transparent liquid.

28. The electronic device of claim 27, wherein the electronic device is a portable communication device.

29. The electronic device of claim 28, wherein the electronic device is a cellular phone.

* * * * *