

**36.** A touch pad UI according to claim 33, wherein the touch pad UI is hinged to the mobile terminal at least at one of the following part of mobile terminal: lowest part, upper part, right part and left part.

**37.** A touch pad UI according to claim 36, wherein the hinged touch pad UI is arrangeable into the position of angle between  $0^\circ$  and  $360^\circ$  relative to the mobile terminal and the touch pad UI is arranged to observe said position angle and if the touch pad UI is closed, when the position angle is essentially  $0^\circ$ , the touch pad UI is arranged to act as a mechanical protector for the display and the touch sensitive surface of the touch pad UI, and if the touch pad UI is opened so that the position angle is more than approximately  $0^\circ$ , the touch pad UI is arranged to act as a data input and pointing device.

**38.** A touch pad UI according to claim 37, wherein the touch pad UI is arranged completely open so that the position angle is essentially  $360^\circ$ , the touch pad UI is arranged to operate in two-hand mode, where data is arranged to be inputted by at least one finger through the touch pad touch pad UI device and where a cursor on the display of the mobile terminal corresponding the moving finger is arranged to move according the movements of the finger on the touch pad.

**39.** A touch pad UI according to claim 37, wherein the touch pad UI is arranged to observe whether the position angle of the touch pad UI hinged either to bottom or upper part of the mobile terminal, is more than predetermined limit and if, arranged to convert the read direction data of the fingers movements on the touch pad in vertical direction to contrary.

**40.** A touch pad UI according to claim 37, arranged to observe whether the position angle of the touch pad UI hinged either to right or left part of the mobile terminal, is more than predetermined limit and if, arranged to convert the read direction data of the fingers movements on the touch pad in horizontal direction to contrary.

**41.** A touch pad UI according to claim 39, wherein the predetermined limit for the position angle is approximately  $180^\circ$ .

**42.** A touch pad UI according to claim 33, wherein the touch pad UI is arranged to observe presses of at least one finger on the touch pad UI and determine the press as a click-operation.

**43.** A touch pad UI according to claim 33, wherein the touch pad UI is arranged to divide the touch pad UI virtually at least one first portion and at least one second portion.

**44.** A touch pad UI according to claim 43, wherein the touch pad UI is arranged to move a cursor in the display when moving a first finger on the first portion of the touch pad UI and scrolling a content displayed on the display to the up, down, left and right directions when moving a second finger on the second portion of the touch pad UI in appropriate direction.

**45.** A touch pad UI according to claim 33, wherein the touch pad UI is arranged to zoom a content displayed on the display in/out when the first portion of the touch pad UI is pressed by a first finger and a second finger is moved on the second portion of the touch pad UI at the same time.

**46.** A touch pad UI according to claim 33, wherein the touch pad UI is arranged to zoom a content displayed on the display in/out when a button is pressed in the mobile terminal and a finger is moved on the touch pad UI at the same time.

**47.** A touch pad UI, where the touch pad UI is a touch pad user interface input device, comprises a touch sensitive surface to detect touch and movement of a finger on the surface of the touch pad UI and further comprises a pressure sensitive layer under the touch sensitive surface to detect press of a finger on the touch pad UI simulating a click-operation.

**48.** Method according to claim 9, wherein the predetermined limit for the position angle is approximately  $180^\circ$ .

**49.** Mobile terminal according to claim 25, wherein the predetermined limit for the position angle is approximately  $180^\circ$ .

**50.** Touch pad according to claim 40, wherein the predetermined limit for the position angle is approximately  $180^\circ$ .

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