



US 20040263484A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2004/0263484 A1**

Mantysalo et al.

(43) **Pub. Date: Dec. 30, 2004**

(54) **MULTIFUNCTIONAL UI INPUT DEVICE FOR MOBLIE TERMINALS**

(52) **U.S. Cl. 345/173**

(76) **Inventors: Tapio Mantysalo, Hevonpaa (FI); Petri Vuori, Salo (FI)**

(57) **ABSTRACT**

Correspondence Address:
**WARE FRESSOLA VAN DER SLUYS & ADOLPHSON, LLP
BRADFORD GREEN BUILDING 5
755 MAIN STREET, P O BOX 224
MONROE, CT 06468 (US)**

The invention relates to a touch pad user interface input device in a mobile terminal, and especially to the embodiment, where the touch pad UI is arranged into the back side of the mobile terminal in use so that a user can see the display side of the mobile terminal in the field of vision, support the mobile terminal by his fingers at the back side of the mobile terminal and at the same time input data through the touch pad UI locating in the back side of the mobile terminal by using the same fingers, for example, by which he supports the mobile terminal and further seeing a cursor moving on the display of the mobile terminal and following the movements of his finger on the touch pad UI at the same time when moving his finger on the touch pad UI.

(21) **Appl. No.: 10/603,585**

(22) **Filed: Jun. 25, 2003**

Publication Classification

(51) **Int. Cl.⁷ G09G 5/00**

