

Title (en)

DEVICE AND METHOD FOR PROVIDING ELECTRONIC INPUT

Title (de)

EINRICHTUNG UND VERFAHREN ZUR BEREITSTELLUNG EINER ELEKTRONISCHEN EINGABE

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR FOURNIR UNE ENTRÉE ÉLECTRONIQUE

Publication

**EP 2082311 A1 20090729 (EN)**

Application

**EP 07789852 A 20070702**

Priority

- IB 2007052556 W 20070702
- US 81837806 P 20060705
- US 84767406 P 20060928
- US 90204107 P 20070220
- IB 2007051692 W 20070505
- SG 200704782 A 20070505

Abstract (en)

[origin: WO2008004170A1] An input apparatus comprises an input device comprising a shuttle capable to move substantially within a two-dimensional surface when engaged by a user member. The input device and a display are communicatively connected to a host. A cursor is displayed and moved on the display. The shuttle is moved by engaging it and there is kinesthetic or tactile feedback to a user depending on the position of said shuttle within the surface. The feedback indicates that the shuttle travels to one of several preset positions. The input device is biased towards the nearest position within a set of predetermined locations. The cursor is moved in a direction and by a distance substantially similar to the direction and distance traveled by said shuttle. The shuttle may be depressed to select items on the display. [Fig. 16]

IPC 8 full level

**G06F 3/033** (2006.01); **G06F 3/0338** (2013.01); **G06F 3/0354** (2013.01); **G06F 3/0482** (2013.01)

CPC (source: EP)

**G06F 3/016** (2013.01); **G06F 3/0338** (2013.01); **G06F 3/03548** (2013.01); **G06F 3/0482** (2013.01); **G06F 2203/0331** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2008004170 A1 20080110**; CA 2656888 A1 20080110; EP 2082311 A1 20090729; EP 2082311 A4 20121219

DOCDB simple family (application)

**IB 2007052556 W 20070702**; CA 2656888 A 20070702; EP 07789852 A 20070702