

Title (en)
3D POINTING DEVICE WITH UP-DOWN-LEFT-RIGHT MODE SWITCHING AND INTEGRATED SWIPE DETECTOR

Title (de)
3D-ZEIGEVORRICHTUNG MIT UMSCHALTUNG ZWISCHEN AUFWÄRTS-ABWÄRTS-LINK-RECHTS-MODUS UND INTEGRIERTEM SWIPE-DETEKTOR

Title (fr)
DISPOSITIF DE POINTAGE TRIDIMENSIONNEL AVEC UNE COMMUTATION DE MODE HAUT-BAS-GAUCHE-DROITE ET DÉTECTEUR DE FENTE INTÉGRÉ

Publication
EP 2643743 A2 20131002 (EN)

Application
EP 11843994 A 20111121

Priority

- US 201061427562 P 20101228
- US 41602510 P 20101122
- US 2011061667 W 20111121

Abstract (en)
[origin: WO2012071334A2] A 3D pointing device for use with a content delivery system is provided. The pointing device can operate in one of at least one of two modes: a first 3D or scrolling mode, and a second non- 3D mode that can also be referred to as an up-down-left-right (UDLR) mode. The pointing device can include one or more directional sensors, to provide orientation and movement information. For either of the at least two modes, an optical finger navigation module is provided that can detect movement of a user's finger or object across its screen, and provides a predetermined threshold that must be exceeded before movement information is generated from the OFN module. The pointing device can generate scroll and UDLR commands based on the information from the orientation and movement sensors, as well as the OFN module, or can provide the information from the orientation and movement sensors to a user interface that can generate the appropriate scrolling or UDLR commands for use by the content delivery system.

IPC 8 full level
G06F 3/03 (2006.01); **G06F 3/033** (2013.01); **G06F 3/048** (2006.01); **G06F 3/0485** (2013.01); **H04Q 9/00** (2006.01); **G06F 3/0346** (2013.01); **G06F 3/0354** (2013.01)

CPC (source: CN EP KR)
G06F 3/033 (2013.01 - KR); **G06F 3/0485** (2013.01 - CN EP); **G08C 17/00** (2013.01 - CN EP); **H04N 21/422** (2013.01 - CN EP); **H04N 21/42204** (2013.01 - CN EP); **H04N 21/4221** (2013.01 - CN EP); **H04N 21/47** (2013.01 - CN); **H04N 21/482** (2013.01 - CN EP); **H04Q 9/00** (2013.01 - KR); **G06F 3/0346** (2013.01 - CN EP); **G06F 3/03547** (2013.01 - CN EP); **G08C 2201/30** (2013.01 - CN EP); **H04N 21/47** (2013.01 - EP)

Cited by
US10298993B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012071334 A2 20120531; **WO 2012071334 A3 20121227**; CN 103314350 A 20130918; CN 107943403 A 20180420; CN 107943403 B 20221101; EP 2643743 A2 20131002; EP 2643743 A4 20140625; EP 3333677 A1 20180613; EP 3333677 B1 20240214; KR 101929595 B1 20181214; KR 20140020841 A 20140219

DOCDB simple family (application)
US 2011061667 W 20111121; CN 201180064937 A 20111121; CN 201711122234 A 20111121; EP 11843994 A 20111121; EP 17192131 A 20111121; KR 20137016357 A 20111121