

Title (en)  
PENLIGHT AND TOUCH SCREEN DATA INPUT SYSTEM AND METHOD FOR FLAT PANEL DISPLAYS

Title (de)  
PEN-LICHT UND BERÜHRUNGSSCHIRMDATENEINGABESYSTEM UND VERFAHREN UND FLACHTAFELANZEIGEN

Title (fr)  
SYSTEME ET PROCEDE DE SAISIE DE DONNEES SUR ECRAN TACTILE ET A STYLO LUMINEUX, POUR AFFICHAGES A PANNEAUX PLATS

Publication  
**EP 1723397 A2 20061122 (EN)**

Application  
**EP 05713354 A 20050208**

Priority

- US 2005004362 W 20050208
- US 54735804 P 20040224
- US 58374404 P 20040629
- US 1563804 A 20041217

Abstract (en)  
[origin: WO2005081810A2] System, device, and method for receiving or sensing touch or light input to an emissive display such as to a OLED display using the same or different sensors as are used to sense and maintain a pixel luminance. Penlight and touch screen data input system and method for display. A sidelight illuminated display and touch panel input device. Method and device for reading display pixel emission and ambient luminance levels. Emissive display having sensing for luminance stabilization and user light or touch screen input. Method and device for emissive display using shielded or partially shielded sensors. Emissive pixel display device characterized in that photon sensors are disposed within pixels and operated to sense photons emitted by emitter within pixel and ambient photons emitted by sources outside pixel, sensed internally emitted photons being for luminance feedback control and sensed ambient photons being used to detect external light source or sources.

IPC 8 full level  
**G09G 3/32** (2006.01); **G01G 5/00** (2006.01); **G06F 3/038** (2013.01); **G06F 3/041** (2006.01); **G06F 3/042** (2006.01)

CPC (source: EP)  
**G06F 3/0386** (2013.01); **G06F 3/0412** (2013.01); **G06F 3/042** (2013.01); **G09G 3/3233** (2013.01); **H10K 59/13** (2023.02); **H10K 59/40** (2023.02); **G06F 2203/04109** (2013.01); **G09G 2300/0819** (2013.01); **G09G 2300/0842** (2013.01); **G09G 2300/088** (2013.01); **G09G 2320/043** (2013.01); **G09G 2320/0693** (2013.01); **G09G 2360/142** (2013.01); **G09G 2360/147** (2013.01); **G09G 2360/148** (2013.01); **H10K 59/126** (2023.02)

Citation (search report)  
See references of WO 2005081810A2

Cited by  
US11550407B2; US11789568B2; US12099686B2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005081810 A2 20050909**; **WO 2005081810 A3 20051027**; AU 2005216038 A1 20050909; EP 1723397 A2 20061122; JP 2007535728 A 20071206

DOCDB simple family (application)  
**US 2005004362 W 20050208**; AU 2005216038 A 20050208; EP 05713354 A 20050208; JP 2007500860 A 20050208