

Title (en)

INTERACTIVE DISPLAY DEVICE AND METHOD, USING A DETECTION CAMERA AND OPTICAL POINTER

Title (de)

EINRICHTUNG UND VERFAHREN ZUR INTERAKTIVEN ANZEIGE UNTER VERWENDUNG EINER DETEKTIONSKAMERA UND EINES OPTISCHEN ZEIGERS

Title (fr)

DISPOSITIF ET PROCÉDE DE VISUALISATION INTERACTIF UTILISANT UNE CAMÉRA DE DÉTECTION ET UN POINTEUR OPTIQUE

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Application

EP 09772754 A 20090703

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Abstract (en)

[origin: WO2010001072A2] The invention relates to an interactive display device and method. A video projector (4) projects an image on a screen (24). An optical pointer (26) includes a mouse click signal input button and a light source (33) that emits a light beam for pointing to the screen to form a light mark (15). A detection camera (11) acquires an image from the screen and detects an image from the light mark. A processing system (27) calculates the position of the light mark (15) in the detected image. According to the invention, the optical pointer (26) includes: a contact or proximity detector capable of detecting a contact between one end of the optical pointer (26) and the screen (24) and generating a light mark presence signal; and moreover a radio transmitter (29) capable of transmitting a light mark presence signal to a processing system (27). The treatment system (27) compares the respective signals for detecting a light mark and light mark presence to deduce therefrom a validation signal for said light mark.

IPC 8 full level

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CPC (source: EP US)

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