

Title (en)

OPTICAL TOUCH SENSING FOR DISPLAYS AND OTHER APPLICATIONS

Title (de)

OPTISCHE BERÜHRUNGSERFASSUNG FÜR DISPLAYS UND ANDERE ANWENDUNGEN

Title (fr)

DÉTECTION TACTILE OPTIQUE POUR DISPOSITIFS D'AFFICHAGE ET AUTRES APPLICATIONS

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Application

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Abstract (en)

[origin: WO2018214691A1] Touch sensing based on optical sensing as disclosed herein can be implemented by using an optical stylus (213) or pointer (213) that emits probe light for optical sensing, and spatially distributed optical sensors (221, 223, 225, 227) at different spatial locations for sensing. The measurements from the different optical sensors (221, 223, 225, 227) can be processed to determine the position (214) of the light from the optical stylus (213) at the screen. Optical sensing of a position (214) on a two-dimensional surface and a position in a three-dimensional space can be achieved for various optical touch sensing applications. An apparatus can include a screen (211) or display, an optical stylus (213) or optical pointer (213), and two or more optical angle sensors (221, 223, 225, 227) which determine, respectively, a first angle between the first optical angle sensor and a position (214) of light at the screen (211) and a second angle between the second optical angle sensor and the position (214) of light at the screen (211).

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