

Title (en)  
TOUCH SCREEN SIGNAL PROCESSING

Title (de)  
BERÜHRUNGSSCHIRM-SIGNALVERARBEITUNG

Title (fr)  
TRAITEMENT DU SIGNAL D'UN ECRAN TACTILE

Publication  
**EP 1599789 A1 20051130 (EN)**

Application  
**EP 04711522 A 20040216**

Priority  
• NZ 2004000029 W 20040216  
• NZ 52421103 A 20030214

Abstract (en)  
[origin: WO2004072843A1] A touch screen (1) which uses light sources (4) at one or more edges of the screen (1) which directs light across the surface of the screen (1) and at least two cameras (6) having electronic outputs located at the periphery of the screen (1) to receive light from said light sources (4). A processor receives the outputs of said cameras (6) and employs triangulation techniques to determine the location of an object proximate to said screen (1). Detecting the presence of an object includes detecting at the cameras (6) the presence or absence of direct light due to the object, using a screen surface as a mirror and detecting at the cameras (6) the presence or absence of reflected light due to an object. The light sources (4) may be modulated to provide a frequency band in the output of the cameras (6).

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IPC 8 full level  
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