

Title (en)  
SURFACE CAPACITANCE WITH AREA GESTURES

Title (de)  
OBERFLÄCHENKAPAZITÄT MIT BEREICHSGESTEN

Title (fr)  
CAPACITÉ DE SURFACE À GESTES DE SURFACE

Publication  
**EP 2404229 A1 20120111 (EN)**

Application  
**EP 10749068 A 20100308**

Priority  

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- US 59228309 A 20091120

Abstract (en)  
[origin: WO2010101662A1] A surface capacitance touch sensitive surface has a substantially even coating of a conductive material on a non-conductive substrate and then covering the conductive material with a dielectric material, wherein a novel current measuring circuit reduces the effect of stray capacitance on the accuracy of a current measurement so that the relative X and Y position of an object on the surface cap panel can be determined using simple ratio equations, and wherein measuring the charge transfer rate in a measuring circuit, in addition to the total charge transfer for each toggle event, enables the location of two objects to be identified on the surface cap panel, wherein the charge transfer rate is used to determine the distance between two points of contact on the surface cap panel.

IPC 8 full level  
**G06F 3/045** (2006.01)

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Citation (search report)  
See references of WO 2010101662A1

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