

Title (en)  
CAPACITIVE SENSOR SYSTEM FOR TOUCH DETECTION

Title (de)  
KAPAZITIVES SENSORSYSTEM ZUR BERÜHRUNGSERKENNUNG

Title (fr)  
CAPTEUR CAPACITIF POUR LA RECONNAISSANCE TACTILE

Publication  
**EP 3814880 A1 20210505 (DE)**

Application  
**EP 19734774 A 20190628**

Priority  
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Abstract (en)  
[origin: WO2020002594A1] The invention relates to a capacitive sensor system for touch detection, comprising a sensor surface, on which at least one sensor electrode is arranged, and comprising an evaluation device for evaluating an electrical sensor signal of the sensor electrode, which sensor signal can be influenced by the position of a measurement object in a direction in the plane of the sensor surface, wherein: a first and a second sensor electrode border the sensor surface; the first sensor electrode and the second sensor electrode have conductor portions parallel to one another, without touching each other; the second sensor electrode is surrounded by the first sensor electrode; both electrodes are connected to inputs of the evaluation device; and the evaluation device captures sensor signals from the first and second sensor electrodes and determines a ratio variable from the ratio of the difference and the sum of the captured sensor signals and compares said ratio variable with a threshold value.

IPC 8 full level  
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