

Title (en)  
SENSOR USING THE CAPACITIVE MEASURING PRINCIPLE

Title (de)  
SENSOR MIT KAPAZITIVEM MESSPRINZIP

Title (fr)  
CAPTEUR A PRINCIPE DE MESURE CAPACITIF

Publication  
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Abstract (en)  
[origin: WO2006066524A1] The invention relates to a sensor which uses the capacitive measuring principle which is used to detect the proximity of a dielectric medium (5), preferably for detecting a human body part, which is used in an anti-pinching system. Said sensor comprises a capacitor (1) and an evaluation electronic system. The variation of the capacity of the capacitor (1), which is caused by the medium (5), can be measured. Said capacitor, which can establish a distinction between a human body part or a solid and water and/or humidity, is characterised in that the capacitor (1) can be operated in a successive manner by at least two different frequencies and/or at least two different pulse duty factors by using the different ratio of said elements in a variable electric field (4). The invention also relates to a corresponding method.

IPC 8 full level  
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Cited by  
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