Title (en)

DEVICE FOR DETECTING A CAPACITANCE VARIATION AND CAPACITIVE SENSOR FOR DETECTING THE PRESENCE OF A USER USING SUCH A DEVICE

Title (de)

EINRICHTUNG ZUR DETEKTION EINER KAPAZITÄTSSCHWANKUNG UND KAPAZITIVER SENSOR ZUM DETEKTIEREN DER ANWESENHEIT EINES EINE SOLCHE EINRICHTUNG BENUTZENDEN BENUTZERS

Title (fr)

DISPOSITIF DE DETECTION D'UNE VARIATION DE CAPACITANCE ET CAPTEUR CAPACITIF DE DETECTION DE PRESENCE D'UN UTILISATEUR, IMPLEMENTANT UN TEL DISPOSITIF

Publication

EP 1896801 A1 20080312 (FR)

Application

EP 06763348 A 20060530

Priority

• EP 2006062693 W 20060530
• FR 0505083 A 20050601

Abstract (en)

[origin: WO2006128850A1] The invention concerns a device for detecting a capacitance variation of a variable capacitive structure (Cx), comprising: means for generating voltage pulses, means for charging the variable capacitive structure (Cx) from said voltage pulses, means for discharging said capacitive structure (Cx) to a reference capacity (Cs), means for detecting a voltage threshold at the terminals of the reference capacity (Cs), means for determining a number of charges and/or discharges of said variable capacitive structure (Cx) corresponding to said voltage threshold, and means for detecting a variation of said number of charges and/or discharges relative to a number of charges and/or discharges previously obtained. The invention is applicable in any technical field involving user detection, for example in a vehicle door handle inside a vehicle or a housing.

IPC 8 full level

G01D 5/24 (2006.01)

CPC (source: EP US)

G01D 5/2405 (2013.01 - EP US); **G01R 27/2605** (2013.01 - US)

Citation (search report)

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