

Title (en)
DETECTING A DIELECTRIC ARTICLE

Title (de)
ERFASSUNG EINES DIELEKTRISCHEN GEGENSTANDES

Title (fr)
DÉTECTION D'UN OBJET DIÉLECTRIQUE

Publication
EP 2591345 A1 20130515 (DE)

Application
EP 11719002 A 20110511

Priority
• DE 102010031034 A 20100707
• EP 2011057577 W 20110511

Abstract (en)
[origin: WO2012004028A1] A device (300) for detecting a dielectric object (120) comprises a first (E1) and a second electrode (E2), a first unit (FF1) for determining a first capacitance (C1) between the first electrode and a common reference point (E0) and which can be influenced by the object, and a second unit (FF2) for determining a second capacitance (C2) between the second electrode and the ground point and which can be influenced by the article. Furthermore, a control unit (PWM) for actuating the units and an evaluating unit (FF3) for detecting the object are provided, if the determined capacitances differ by more than a predetermined amount from each other. The control unit is designed to actuate the units in such a manner that the determinations are carried out in succession, and a switching unit (S1, S2, FF1, FF2) is provided in order to electrically connect the electrode of the respective non-actuated unit to the common reference point.

IPC 8 full level
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Citation (search report)
See references of WO 2012004028A1

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