

Title (en)

METHOD FOR IDENTIFYING A SAMPLE IN A CONTAINER, E.G. WHEN CONDUCTING A TRAVELLER SURVEY IN THE CHECK-IN AREA, BY DETERMINING THE RESONANCE FREQUENCY AND THE QUALITY OF A DIELECTRIC RESONATOR TO WHICH THE CONTAINER IS ARRANGED

Title (de)

IDENTIFIKATION EINER PROBE IN EINEM BEHÄLTER, Z.B. IM CHECK-IN BEREICH BEI DER REISEGASTABFERTIGUNG, DURCH BESTIMMUNG DER RESONANZFREQUENZ UND DER GÜTE EINES DIELEKTRISCHEN RESONATORS, AN DEM DER BEHÄLTER ANGEORDNET WIRD

Title (fr)

IDENTIFICATION D'UN ÉCHANTILLON DANS UN RÉCIPIENT, PAR EXEMPLE DURANT LE CHECK-IN, PAR DÉTERMINATION DE LA FRÉQUENCE DE RÉSONANCE ET DU FACTEUR DE QUALITÉ D'UN RÉSONATEUR DIÉLECTRIQUE, AUQUEL LE RÉCIPIENT EST DISPOSÉ

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Abstract (en)

[origin: WO2008040305A2] The invention relates to a method for identifying a sample in a container, comprising the following steps: the container with the sample is disposed in the form of a resonator; a high-frequency signal is injected into the resonator for exciting a resonant mode of the resonator; the resonant electric field of the resonator penetrates a part of the sample in the container; the resonance curve of at least one resonant mode is measured with and without the sample; the sample is identified on the basis of the determined variation of resonance frequency compared to a measurement without sample. The invention also relates to an associated measuring device.

IPC 8 full level

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