

Title (en)  
DEVICE FOR MEASURING AND/OR REPRESENTING ELECTRICAL AND MAGNETIC MATERIAL PROPERTIES AND PROPERTIES DIRECTLY DERIVABLE THEREFROM

Title (de)  
VORRICHTUNG ZUR MESSUNG UND/ODER ABBILDUNG ELEKTRISCHER, MAGNETISCHER UND MITTELBAR DARAUS ABLEITBARER MATERIALEIGENSCHAFTEN

Title (fr)  
DISPOSITIF PERMETTANT DE MESURER ET/OU DE REPRESENTER DES PROPRIETES DE MATERIAUX, D'ORDRE ELECTRIQUE, MAGNETIQUE OU POUVANT EN ETRE INDIRECTEMENT DERIVEES

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Application  
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Abstract (en)  
[origin: WO9902979A2] The invention relates to a device for measuring and/or representing electrical and magnetic material properties or material properties directly derivable therefrom. The aim of the invention is to obtain better deep action measurement and to make it possible to adjust the surface geometry and sensitivity of the measurement to the samples to be examined. To this end, the resonators forming the applicator consist of electrically connected structures having two or more conductors which at least in the area of some of the voltage peaks or load centres of gravity which form during resonance are open towards the object to be measured. In addition, the conductor structures are arranged in such a way that a resulting superposition field of the load centres of gravity open towards the object to be measured can be approximated to a target field geometry at the interface to the object to be measured.

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